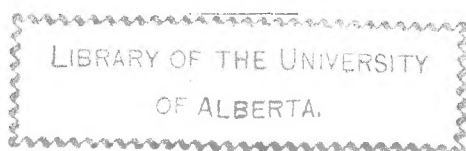


ANNUAL REPORT
OF THE
DEPARTMENT OF PUBLIC WORKS
OF THE
PROVINCE OF ALBERTA
1910

PRINTED BY ORDER OF THE LEGISLATIVE ASSEMBLY



EDMONTON
JAS. E. RICHARDS, GOVERNMENT PRINTER
1911

EDMONTON, April 1. 1911

To His Honour,

GEORGE HEDLEY VICARS BULYEA,

Lieutenant Governor of the Province of Alberta.

SIR,—I have the honour to transmit herewith the Annual Report of the Department of Public Works from January 1 to December 31 1910.

I have the honour to be, Sir,

Your obedient servant,

(Sgd.) A. L. SIFFON,

Minister of Public Works.

13218

CONTENTS.

	PAGE
Report of the Deputy Minister.....	7
Bridges....	11
Roads	18
Ferries	32
Fireguards	33
Well Boring .	34
Architectural Branch.	35
Building Construction..	37
Survey Branch	40
Coal Mines Branch	60
Local Improvement Branch. .	115
Steam Boilers Branch .	145
Correspondence Branch. .	194
Accountant's Branch ...	194
Telephone Branch .	196
Index	203

REPORT

OF THE

DEPUTY MINISTER OF PUBLIC WORKS

HON. A. L. SIFTON, M.P.P.,
Minister of Public Works.

SIR,—I have the honour to submit herewith the report of the Department of Public Works for the year 1910

As the population of the province increases and the area of settlement is extended the demands upon the various branches of this department grow heavier year by year. We have much difficulty in keeping pace with this rapid development, but as far as possible the requirements of the people have been satisfactorily dealt with.

The large amount of construction work done by the various railways on main and branch lines has not only opened up a considerable area of new country, but has materially changed the conditions existing in some of the more settled portions. The result has been felt by the department both by reason of an increased need for road and bridge construction and the higher rate of wages which it was necessary to pay to carry on the work.

During the year 271 timber bridges were constructed, nearly all of them being standard pile trestle structures, and one 70 ft. wooden truss, built by the settlers, was taken over by the department. In addition to this 76 bridges were repaired or reconstructed.

The New Langevin bridge over the Bow River at Calgary was completed during the year and consisted of two 185 ft. steel spans, with a clear 30 ft. roadway floored with cement and wood block pavement and having two 6 ft. sidewalks. The bridge over the Oldman River north of Cowley, consisting of two 125 ft. steel spans, was also completed.

In addition to these there were three smaller steel bridges built over the Sturgeon river consisting of a 70 ft. pony span at the crossing at the mouth of the river, a 60 ft. pony span at the Kelly Crossing and a similar one at the Bellereive Crossing west of St. Albert.

Work was begun on the steel bridge over the Red Deer at Mountain House, west of Bowden, on the Willow Creek, south-west of Claresholm, also on the Battle River where a bridge is being put in north of Wainwright and another north of Fabyan. These bridges will be finished and ready for traffic early in 1911.

A considerable amount of work was done during the season in the construction of roads. In accordance with the established policy of the department this work has been devoted, as far as possible, to the maintenance and extension of main trunk roads.

As a result of the extension of the railway west of Edmonton many urgent requests have been made to the department to have a short and direct road opened into the Grande Prairie and Peace River country. A preliminary inspection was made and, as no insuperable difficulties are likely to be met with, the work is being undertaken and will be carried out as speedily as may be consistent

with economy of construction. This work will consist of the building and installing of ferries on the principal rivers and the bridging of the smaller streams, as well as the construction of a road. It is hoped to have the road passable for wheeled rigs by the middle of next summer, though the nature of the country traversed precludes the possibility of providing anything better than a primitive road with the means available.

Thirty-five ferries were operated during the year. Seven new ferries were built and installed during the year as follows: One on the North Saskatchewan River at Desjarlais; one on the Pembina River near Sunniebend; another on the Pembina River between sections 1 and 36, townships 58 and 59, range 3, west of the 5th meridian; one on the Bow River south of Bassano; one on the Belly River north of Coaldale; one on the Red Deer River north of Brooks; and one on the North Saskatchewan River north of Lloydminster.

The ferry formerly operated north of Taber was floated down and installed at a point north of Purple Springs.

Only three hundred and six miles of fireguard were ploughed as compared with four hundred and eighty-five miles in 1909. The decrease is an evidence of the settlement and development of the country along agricultural lines. We have again endeavoured to assist settlers as much as possible in their efforts to secure an adequate supply of water. A well-boring machine has been operated in the southern part of the province with much success. This machine was maintained by the department and its services given, free of charge, to such settlers as were willing to pay the cost of its operation. In this way many of the settlers were able to secure a satisfactory supply of water at a reasonable cost.

Several test wells were bored in the vicinity of the Little Bow and the Red Deer Rivers, and in the majority of these a fair supply of water was found at a moderate depth.

The work of the Survey Branch continues to increase from year to year. As this season was particularly favourable for outside work and, as some of the parties were able to remain in the field later than usual, a large amount of work was accomplished. The work was extended into the northern part of the province and a surveyor was employed throughout the season north of the Athabasca River making the necessary surveys and superintending the work of road and bridge crews employed in that district.

The past year has been one of remarkable development in the history of the administration of The Steam Boilers Act in the province.

The regulations, adopted in 1909, for the construction and inspection of boilers have now been very favourably received by the majority of the principal manufacturers on the continent. Indeed one or two of the large manufacturers have become so convinced of their efficiency that they have adopted them for their standard practice in the construction of boilers for the general market. It is gratifying to note that the work of this branch has been so efficiently carried out in this particular that no fatalities occurred and only four accidents of a minor nature were reported during the year 1910.

Statistics submitted by the Coal Mines Branch show that the output of the mines of the province has grown from 2,174,329 tons in 1909 to 3,036,757 tons in 1910, an increase for the year of 862,428 tons or 39.66%.

Forty-two new mines were opened during the year, whilst seven were abandoned. There are at present 154 mines in operation in the province, giving employment to 5,818 persons.

An unusually large number of fatal accidents have occurred in connection with the mining operations carried on during the year. The most serious of these was the disaster which occurred in the West Canadian Collieries mine at Bellevue in which 31 persons lost their lives. Up to the present we have not been able to determine the exact nature of the accident nor the causes which produced it. In this as in all other cases which have occurred we are having a strict investigation made, and hope to be able to provide means whereby a recurrence of the disaster may be rendered impossible.

In the construction of public buildings considerable progress has been made. The masonry work on the Parliament Buildings has been continued and about two-thirds of the stonework had been finished by the time this work was closed down for the winter. The Asylum Building at Ponoka is nearing completion. The power house was completed during the summer and the power plant installed. A full description of this as well as of the water and sewer arrangements will be shown further in the report. The brickwork of the Provincial Jail at Lethbridge is now practically complete. A power house was also built and a complete set of water and sewage mains laid. Work on the Dormitory Building for the University of Alberta at Strathcona was started in the spring, and at present the building is roofed and considerable work is being done on the interior. The Court House at Lethbridge is now practically complete. The walls of the Central Telephone Exchange at Calgary were strengthened and another storey added, making a three-storey building. This was found to be necessary to make room for more equipment. In order to further relieve the congestion caused by the rapid extension of the telephone service in Calgary a substation was erected on 14th Avenue West. Full descriptions of the work in connection with these different buildings will be found embodied in this report.

Work of the Local Improvement Branch shows a steady increase not only in the assessment and collections of taxes which the department deal with directly, but more especially in the assistance rendered in the administration of affairs of the villages and small local improvement districts. The total amount of taxes and fees collected by this department during the year from assessments levied under The Local Improvement Act and Educational Tax Act, together with arrears due small improvement districts and villages, amounted to \$272,887 21. At the end of the year there were 204 small local improvement districts fully organized and carrying on business in the province. Sixteen new districts have been organized during the year. The work of auditing the books of the different small local improvement districts throughout the province was carried on as usual during the year, and from our auditor's reports it would appear that the districts are making good progress along this line, and realize that it is necessary for them to have the books and records of the district properly kept if they wish to carry on business successfully. Full particulars as to the work carried on by this branch can be obtained from report of the Tax Commissioner contained herein.

The report of the Superintendent of Telephones shows that, at the close of the year, there were 6,115 miles of long distance and rural lines in operation and giving service to 10,571 subscribers. The

system is being extended as rapidly as is consistent with good business management. The organization is proving satisfactory, and the best possible service is being given to our subscribers. It will be necessary to relieve the congestion on some of our long distance lines, and this work will be undertaken next year. The financial statement shows that the system is now established on a satisfactory basis.

The increased work of the department is shown in the report of the Correspondence Branch. The total number of communications dealt with during the year was 344,193 as compared with 300,061 in the preceding year, and the amount of cash received from all sources was \$767,150.58 as against \$684,840.49 in 1909.

JOHN STOCKS,

Deputy Minister.

BRIDGES

Two important steel bridges on concrete substructure were completed, viz., the Langevin Bridge at Calgary, over Bow River, consisting of two 185 ft. through truss steel spans, with 30 ft. clear roadway and two 6 ft. sidewalks, replacing the old Howe truss timber structure, which had lived its life and became totally unsafe for traffic.

The bridge over Oldman River, north of Cowley (on Crow's Nest Branch of C P R.), consisting of two 125 ft. through truss steel spans, was also completed and opened for traffic. On the Sturgeon River three steel bridges were erected on timber substructures, as follows, viz.: one 70 ft. pony through span at mouth of river; one 60 ft. pony through span at Bellerive Crossing west of St. Albert, and one 60 ft. pony through span at the Kelly Crossing, replacing timber truss which was worn out and unsafe.

Towards the close of year work was commenced at Mountain House Crossing on the Red Deer River, west of Bowden, where a bridge consisting of two 125 ft. through truss spans with one 60 ft. through pony span will be completed in the spring of 1911, and accommodate a large settlement west of the Red Deer River. The substructure consists of timber.

A 125 ft. through truss span north of Wainwright, and 100 ft. through pony span north of Fabyan, over Battle River, were also started with a view to completion by spring of 1911. Both these bridges have timber substructures. Over Willow Creek south-west of Claresholm a 125 ft. through truss span on timber substructure was commenced towards end of year, and will be open for traffic early in the coming year.

Of timber bridges, 271 were constructed, being mainly pile trestle structures; 76 were repaired, 11 had approaches graded, piling was driven for three bridges for which material was supplied locally, and one 70 ft. truss built by settlers was taken over.

BRIDGES 1910

STREAM	LOCATION	REMARKS
Arrowwood Creek.	5/31-19/18-25-4	Two 20 ft. spans on pile bents.
A.R. & I. Canal	7/8-6-19-4	Repairs.
Amisk Creek	6-50-18-4	One 20 ft. span on pile bents.
Amisk Creek	5-50-18-4	One 20 ft. span on pile bents.
Amisk Creek	4-50-18-4	One 20 ft. span on pile bents.
Amisk Creek	N. 27-50-18-4	Three 20 ft. spans and one 18 ft. span on pile bents.
Bull Horn Coulee	On Indian Reserve	Grading.
Beaver Dam Creek	1/36-29-3-5	Repairs.
Bow River..	At Morley	Repairs.
Beaver Dam Creek.	24/25-29-3-5	Two 20 ft span on pile bents.
Beaver Dam Creek.	2-30-3-5	Reflooring.
Bow River	East of Calgary	Repairs.
Bow River	At Calgary (New Langevin bridge)	Two 185 ft. steel spans on concrete substructures.
Belly River	At Lethbridge	Repairs
Bulls Head Creek.	9/16-12-5-4	Repairs
Bulls Head Creek	19/20-11-5-4	One 16 ft span on framed bents
Beaver Creek	12/7-8-28/29-4	One 20 ft. span on pile bents
Blindman River	N. 24-43-2-5.	Two 20 ft. span on pile bents.
Big Coulee	5/32-37/38-24-4	Repairs.
Beaver Dam Creek.	35/36-38-14-4	Two 16 ft spans on pile bents.
Beaver Creek	9/10-56-20-4	40 ft. round timber truss
Beaver Creek	11/14-54-18-4	Two 20 ft span on pile bents.
Battle River	13-46-7-4	One 125 ft steel span
Battle River	19/20-45-7w4.	One 100 ft steel span and three 20 ft. spans on pile bents *
Big Stone Creek	29/30-46-24-4	Three 18 ft spans on pile bents
Big Stone Creek	12/7-47-23/24-4	Three 18 ft. spans on pile bents
Battle River	21/24-45-28/1-4/5	Three 20 ft. spans on pile bents
Battle River	33/34-45-1-5	Three 20 ft spans on pile bents
Bittern Lake	36-46-22-4	Two 20 ft. spans on pile bents.
Creek	14 miles east of Lesser Slave Lake.	One 20 ft. log span.
Creek	1½ miles west of Mirror Landing.	One 22 ft. log span.
Creek	½ mile from Mirror Landing	One 20 ft log span.
Creek	2½ miles east of J Norris' place	One 20 ft. log span.
Creek	2 miles east of J Norris' place	One 20 ft log span.
Creek	½ mile west of Rumball House	One 20 ft log span.
Creek	East of Rumball House	One 20 ft log span.
Creek	14½ miles east of Lesser Slave Lake	One 18 ft. log span
Canal	3/34-5/6-23-4	Repairs.
Canal	2/3-5-23-4	Repairs
Canal	9-5-22-4	Three 20 ft. spans on pile bents.
Creek	7/12-5-20/21-4	Two 18 ft spans on pile bents
Creek	13/18-5-20/21-4	Two 16 ft spans on pile bents.
Creek	7/18-3-23-4	Small bridge.
Coulee	34/35-5-17-4	One 16 ft. span on pile bents.
Creek	16/17-5-17-4	One 16 ft. span on pile bents.
Creek	21/28-5-19-4	One 18 ft. span on pile bents.
Creek	35-4-17-4	One 16 ft span on pile bents.
Creek	20/29-45-20-4	One 18 ft. span on pile bents
Creek	E 24-27-1-5	One 20 ft span on pile bents.
Creek	17/18-30-26-4	Two 16 ft spans on pile bents.

STREAM	LOCATION	REMARKS
Creek	N.W. $\frac{1}{4}$ 5-30-25-4 ..	One 20 ft. span on pile bents.
Coulee	20/29-30-25-4	One 16 ft. span on pile bents.
Creek	N.W. $\frac{1}{4}$ 3-30-25-4	One 20 ft. span on pile bents.
Creek	N.E. $\frac{1}{4}$ 5-30-25-4	One 20 ft. span on pile bents.
Creek	7/12-30-25/26-4	One 20 ft. span on pile bents.
Creek	28/29-31-27-4	Two 18 ft. spans on pile bents.
Creek	1-33-5.	Repairs.
Creek	3/34-24/25-22-4	One 18 ft. span on frame bents.
Creek	7/18-28-23-4	One 20 ft. span on pile bents.
Creek	5/8-19-27-4	Four 20 ft. spans on pile bents.
Creek	10/15-36-3-5	One 16 ft. span on pile bents.
Cairn's Creek	7-41-22-4	One 20 ft. span on pile bents.
Creek	S. 4-41-25-4	One 18 ft. span on pile bents.
Creek	19/30-39-25-4	One 18 ft. span on pile bents.
Creek	34/35-39-24-4	One 18 ft. span on pile bents.
Creek	S. 4-41-25-4	One 18 ft. span on pile bents.
Creek	N. 11-41-25-4	One 18 ft. span on pile bents.
Creek	E. 2-41-25-4	One 18 ft. span on pile bents.
Creek	32/5-6/7-18-4	Two 20 ft. spans on pile bents.
Coulee	4/5-6-20-4	Two 20 ft. spans on pile bents.
Coulee	15/16-7-21-4	One 18 ft. span on pile bents.
Coulee	13/18-11-10/11-4	One 18 ft. span on pile bents.
Coulee	S.W. $\frac{1}{4}$ 3-11-17-4	One 14 ft. span on pile bents.
Coulee	1/36-5/6-17-4	One 20 ft. span on pile bents.
Coulee	32/5-5/6-22-4	One 20 ft. span on pile bents.
Creek	S.W. $\frac{1}{4}$ 24-49-24-4	One 18 ft. span on frame bents.
Creek	11/12-49-25-4	One 20 ft. span on pile bents.
Creek	13/14-49-24-4	One 16 ft. span on frame bents.
Creek	12/13-49-24-4	One 16 ft. span on frame bents.
Creek	15/16-48-25-4	One 18 ft. span on pile bents.
Creek	15/16-49-24-4	One 16 ft. span on frame bents.
Creek	7/8-50-26-4	One 20 ft. span on pile bents.
Creek	24/25-49-27-4	One 20 ft. span on pile bents.
Creek	7/8-49-27-4.	One 18 ft. span on pile bents.
Creek	25/36-49-28-4	Repairs.
Creek	9/16-48-25-4	Repairs.
Coulee	8-8-25-4	Repairs.
Coulee	9/10-8-25-4	Two 18 ft. spans on pile bents.
Creek	14/23&13/24-7-26-4	Two 18 ft. spans on pile bents.
Coulee	11/12-8-26-4	One 16 ft. span on pile bents.
Creek	19/24-7-25/26-4	One 18 ft. span on pile bents.
Creek	23/22-7-25-4	One 18 ft. span on pile bents.
Creek	35/36-6-26-4	One 16 ft. span on pile bents.
Creek	E. 13-7-26-4	One 16 ft. span on pile bents.
Creek	8-8-25-4	One 16 ft. span on pile bents.
Creek	21/28-8-25-4	One 12 ft. span on frame bents.
Coulee	31/36-7-25/26-4	One 16 ft. span on pile bents.
Creek	N.E. $\frac{1}{4}$ 4-10-4-4.	Grading.
Creek	8/9-11-8-4	One 20 ft. span on pile bents.
Creek	29/30-10-8-4	Two 20 ft. spans on pile bents.
Creek	19/20-11-10-4	One 18 ft. span on pile bents.
Creek	14/15-10-2-4	Two 16 ft. spans on pile bents.
Creek	34/35-9-7-4	One 16 ft. span on pile bents.
Coulee	17/11-5-4	One 20 ft. span on pile bents.
Creek	9/16-22-1-5	Repairs.
Creek	7/12-20-28/29-4	One 20 ft. span on pile bents.
Creek	9/10-22-3-5	One 16 ft. pile subway.
Creek	20/29-34-1-5	Repairing.
Creek	20/29-32-28-4	Repairs.
Creek	16/17-33-3-5	One 14 ft. span on frame bents.
Creek	20-34-27-4	One 20 ft. span on pile bents.
Creek	10/15-32-2-5	One 16 ft. span on frame bents.
Creek	2/3-32-2-5	One 16 ft. span on frame bents.
Coulee	26/27-56-5-4	One 64 ft. log span.
Creek	10/11-58-8-4	One 20 ft. log span.

STREAM	LOCATION	REMARKS
Creek	20/21-58-8-4	One 16 ft. log span.
Creek	E. 25-58-1-5	One 16 ft. log span.
Creek	S.W. $\frac{1}{4}$ 3-9-1-5	One 14 ft. span on frame bents
Creek	N.W. $\frac{1}{4}$ 10-9-1-5	One 18 ft. span on frame bents.
Coulee	S.W. $\frac{1}{4}$ 14-8-1-5.	One 18 ft. span on frame bents.
Creek	N.W. $\frac{1}{4}$ 26-7-1-5	One 18 ft. span on frame bents
Creek	N.E. $\frac{1}{4}$ 29-7-29-4.	Two 18 ft. spans on pile bents
Creek	9/10-6-29-4	Two 16 ft. spans on pile bents
Creek	19/24-3-29/30-4	One 18 ft. span on pile bents
Coulee	S.E. $\frac{1}{4}$ 11-8-1-5	Two 18 ft. spans on frame bents
Coulee	N.W. $\frac{1}{4}$ 23-8-1-5	One 18 ft. span on frame bents.
Coulee	S.W. $\frac{1}{4}$ 23-8-1-5	One 18 ft. span on frame bents.
Coulee	N. of S.W. $\frac{1}{4}$ 23-8-1-5	One 18 ft. span on frame bents.
Coulee	34/35-6-30-4	Repairs.
Creek	10/11-44-3-5	One 20 ft. span and two 14 ft. spans on frame bents.
Creek	6/31-43/44-27-4	One 18 ft. span on pile bents
Creek	10-43-28-4	One 18 ft. span on pile bents.
Creek	2/3-43-23-4	One 20 ft. span on pile bents.
Creek	4/5-43-27-4	Two 18 ft. spans on pile bents
Creek	8/17-43-27-4	One 18 ft. span on pile bents
Creek	4/5-42-26-4	Two 18 ft. spans on pile bents
Creek	22/27-43-23-4	One 20 ft. span on pile bents
Creek	22/27-43-23-4	One 20 ft. span on pile bents.
Creek	2/34-42/43-23-4	One 18 ft. span on pile bents.
Creek	2/34-43-22-4	One 18 ft. span on pile bents
Creek	10/15-43-22-4	One 18 ft. span on pile bents
Creek	9/10-42-26-4	One 18 ft. span on pile bents.
Creek	33-42-23-4	One 18 ft. span on pile bents
Creek	1/36-37/38-26-4	One 18 ft. span on frame bents.
Clark's Coulee	11/12-38-26-4	One 18 ft. span on frame bents.
Creek	14/15-37-23-4	One 18 ft. span on frame bents
Creek	30/19-37-27-4	One 20 ft. span on pile bents.
Creek	9/16-38-28-4	Repairs
Crow's Nest Pass River	36-7-4-5	Reconstruction.
Creek	10-8-5-5	One 18 ft. span on pile bents.
Crow's Nest Pass River	7-8-4-5	Three 20 ft. spans on pile bents
Carrot Creek	R.L. 13-54-26-4	Repairs
Carrot Creek	1-54-26-4	One 20 ft. span on pile bents
Carrot Creek	12/13-54-26-4	Repairs.
Coulee	2/3-38-13-4	One 18 ft. span on frame bents
Coulee	35/2-37/38-13-4	One 16 ft. span on frame bents.
Coulee	36/1-37/38-13-4	One 16 ft. span on frame bents
Coulee	5/6-52-25-4	One 20 ft. span on frame bents.
Creek	21/22-53-27-4	Driving piles
Creek	22/23-53-27-4	Driving piles
Creek	S. of 5-53-22-4.	Repairs.
Creek	25/36-52-24-4	One 16 ft. span on frame bents.
Creek	7/12-36-15/16-4	One 18 ft. span on pile bents.
Creek	19/24-37-15/16-4	One 18 ft. span on pile bents.
Creek	12/7-39-13/14-4	One 14 ft. span on frame bents.
Creek	13/14-38-14-4	One 14 ft. span on frame bents.
Creek	15/16-55-19-4	Grading.
Creek	10/15-55-19-4	Grading.
Creek	S.W. $\frac{1}{4}$ 21-55-21-4	Repairs.
Creek	2/3-58-16-4	One 16 ft. span on frame bents.
Creek	3/34-57-58/16-4	One 16 ft. span on frame bents.
Creek	2/35-55/56-17-4	One 16 ft. span on pile bents.
Creek	2/35-55/56-17-4	One 16 ft. span on pile bents.
Creek	20/21-56-18-4	One 16 ft. span on pile bents
Creek	8/9-56-16-4	One 20 ft. span on pile bents.
Creek	34-54-22-4	Repairs.
Creek	36-54-21-4	Repairs.
Creek	1/36-53/54-16-4	One 20 ft. span on pile bents.
Creek	25/30-49-12/13-4	Two 18 ft. spans on pile bents.

STREAM	LOCATION	REMARKS
Creek	19/30-51-15-4	One 18 ft. span on pile bents.
Creek	11/14-54-13-4	One 16 ft. span on frame bents.
Creek	21/22-50-9-4	Grading.
Creek	3/34-50/51-9-4	One 18 ft. span on frame bents.
Creek	2/35-52/53-7-4	One 18 ft. span on pile bents.
Creek	16/17-47-7-4	One 16 ft. span on frame bents.
Creek	7/8-46-23-4	Repairs.
Creek	16/17-46-24-4	One 18 ft. span on frame bents.
Creek	32/33-46-25-4	Two 20 ft. spans on pile bents.
Creek	31/36-45-23/24-4	Two 18 ft. spans on pile bents.
Creek	8/9-46-23-4	Two 18 ft. spans on pile bents.
Creek	31/6-45/46-23-4	Repairs.
Creek	15-47-24-4	Repairs.
Creek	S.W. 13-46-2-5.	One 16 ft. span on frame bents.
Creek	S.E. 13-46-2-5	One 20 ft. span and one 16 ft. span on frame bents.
Creek	N.W. 13-46-2-5	One 18 ft. span on frame bents.
Creek	N.W. $\frac{1}{4}$ 14-46-2-5	One 16 ft. span on frame bents.
Creek	S.W. $\frac{1}{4}$ 23-46-2-5.	One 18 ft. span on frame bents.
Creek	N.E. $\frac{1}{4}$ 22-46-2-5	One 20 ft. span on frame bents.
Creek	S.E. $\frac{1}{4}$ 28-46-2-5	One 16 ft. span on frame bents.
Creek	N.W. $\frac{1}{4}$ 29-46-2-5	One 16 ft. span on frame bents.
Creek	N.W. $\frac{1}{4}$ 6-46-1-5	One 20 ft. span on frame bents.
Creek	S.W. $\frac{1}{4}$ 6-46-1-5	One 20 ft. span on frame bents.
Creek	25/30-49-14/15-4	Two 16 ft. spans on pile bents.
Dried Meat Creek	14/15-45-19-4	One 20 ft. span on pile bents.
Dried Meat Creek	22/27-45-18-4	One 18 ft. span on pile bents.
Dried Meat Creek	10/11-45-18-4	One 18 ft. span on pile bents.
Dried Meat Creek	N.W. $\frac{1}{4}$ 32-47-18-4	One 18 ft. span on pile bents.
Dried Meat Creek	S. 16-47-18-4	Two 18 ft. spans on pile bents.
Dog Pound Creek	20/29-29-3-5	Four 20 ft. spans on pile bents.
Dog Pound Creek	S.W. $\frac{1}{4}$ 3-29-4-5	Three 20 ft. spans on pile bents.
Dickson Creek	S.E. $\frac{1}{4}$ 15-36-3-5	One 18 ft. span on pile bents.
Draw	On Sec. 2-9-22-4	Six 18 ft. spans on pile bents.
Dog Rump Creek	18-57-7-4	One 50 ft. timber bridge.
Dry Forks Creek	Centre 36-4-30-4	One 18 ft. span on pile bents.
Dry Forks Creek	1-5-30-4	One 16 ft. span on pile bents.
Deer Creek	5/6-43-27-4	One 18 ft. span on pile bents.
Deer Creek	N. 32-43-27-4.	Two 18 ft. spans on pile bents.
Deep Creek	5/32-51/52-2-5	Three 20 ft. spans on pile bents.
Dog Creek	13/18-53-27-4	Driving piles
Dowler Creek	On Dowler Hill	Repairs.
Deep Creek	11/12-55-21-4	Repairs.
Fallen Timber Creek	34/3-31/32-5-5	Two 50 ft. timber trusses.
Flume	7-19-28-4	Repairs.
Fish Creek	At Midnapore	Repairs.
Frog Creek	S. of L.L. 76-Tp. 67	
	-14-4	One 40 ft. log bridge.
Frog Creek	8-56-3-4	One 25 ft. log bridge.
Fulton Creek	36-52-24-4	Repairs.
Ghost River	13-26-6-5	Repairs.
Ghost Pine Creek	9-31-22-4	Two 20 ft. spans on pile bents.
Government Ditch	27/28-41-26-4	One 20 ft. span on pile bents.
Government Ditch	9/16-41-26-4	One 20 ft. span on pile bents.
Ghost Pine Creek	7/18-34-23-4	Two 20 ft. spans on pile bents.
Gold Creek	24-8-4-5	One 22 ft. span on pile bents.
Goose Creek	14-43-10-4	One 20 ft. span on pile bents.
High River Dam	At High River.	Repairs.
Hudson's Bay Creek	24/25-50-26-4	Repairs.
High River	17-20-28-4	Repairs.
Horse Hills Creek	N.W. $\frac{1}{4}$ 8-54-23-4	Repairs.

STREAM	LOCATION	REMARKS
Indian Farm Creek	8/17-5-29-4	Two 16 ft. spans on pile bents.
Indian Farm Creek	9/16-6-29-4	Repairs.
Iron Creek	N.E. $\frac{1}{4}$ 29-43-10-4.	Two 18 ft. spans on pile bents.
Kipp Coulee	20-5-11-4	Two 18 ft. spans on pile bents.
Kipp Coulee	N. $\frac{3}{4}$ 34-5-19-4	Two 20 ft. spans on pile bents
Kipp Coulee	26/27-5-19-4	One 20 ft. span on pile bents.
Knee Hill Creek	9/10 & 15/16-30-25-4	Three 20 ft. spans on pile bents.
Knee Hill Creek	S.W. $\frac{1}{4}$ 19-29-23-4.	Three 20 ft. spans on pile bents.
Knee Hill Creek	19/30-30-25-4	Three 20 ft. spans on pile bents.
Knee Hill Creek	23/26-31-26-4	Repairs.
Knee Hill Creek	13/14-35-27-4	One 20 ft. span on pile bents.
Kipp Coulee	3/4-7-19-4	Two 20 ft. spans on pile bents
Kootenai River	29-6-25-4	Reflooring.
Kipp Coulee	2/3-6-10-4	Two 18 ft. spans on pile bents
Knee Hill Creek	35-34-27-4	Two 18 ft. spans on pile bents.
Katchemut Creek	13/18-51-18/19-4	Repairs.
Lone Pine Creek	13/18-30-25/26-4	Three 20 ft spans on pile bents.
Lone Pine Creek	16/17-31-27-4	Two 18 ft. spans on pile bents.
Little Paddle River	32-57-8-5	One 24 ft. log span
Little Paddle River	19/20-57-7-5	One 26 ft log span.
Lone Pine Creek	3/34-31/32-28-4	Grading.
Lone Pine Creek	12/13-33-29-4	One 20 ft. span on frame bents.
Long Lake Creek	26/27-56-5-4	One 20 ft. log span.
Lone Pine Creek.	17/20-31-27-4	Repairs.
Moose River	On trail from Athabasca Landing.	One 60 ft. truss and three 20 ft spans on pile bents
Milk River	36-1-13-4	Repairs.
Meeting Creek	13/14-43-20-4	Two 18 ft. spans on pile bents.
Meeting Creek	5/8-43-19-4	Two 18 ft. spans on pile bents
Meeting Creek	7/8-42-18-4	One 18 ft. span and one 16 ft. span on pile bents.
Meadow Creek	17/18-11-28-4	Two 20 ft spans on pile bents.
McLaughlin Creek	34/35-18-29-4	Repairs.
McKay Creek	11/14-13-1-4	Two 20 ft spans on pile bents.
Mosquito Creek	N.W. $\frac{1}{4}$ 24-15-27-4	One 30 ft truss, one 20 ft. span and two 20 ft. spans on pile bents.
Mosquito Creek	28/29-15-27-4	One 30 ft. truss, one 20 ft span and two 20 ft. spans on pile bents.
Mosquito Creek	5/32-15/16-27-4	Repairs.
Mosquito Creek	29/30-16-28-4	Repairs
Mill Creek	R L 17, Strathcona	Three 20 ft. spans on pile bents
Meeting Creek	26/27-41-18-4.	One 20 ft. span and two 10 ft. spans on frame bents.
Meeting Creek	33-41-18-4	One 18 ft. and one 16 ft. span on pile bents.
Mott Creek	31/6-35/36-19-4	Two 18 ft. spans on frame bents.
Mott Creek	1/6-36-19/20-4	One 18 ft. span on frame bents.
Narrows of Lesser Slave	Lake	Repairs.
Nine Mile Coulee	31-31-27-4	Grading.
Nose Creek	At Airdrie	Repairs.
Nine Mile Coulee	4/5-6-21-4	Repairs.
Nine Mile Coulee	S E 5-6-21-4	One 18 ft. span on pile bents.
North Paddle River..	7-59-4-5	One 70 ft. timber truss
North Hart River . . .	At Peace River Crossing .	One 115 ft. span on piers.
North Burnt River		One 20 ft. round timber truss.
N. Saskatchewan River.	Ft. Saskatchewan.	Repairs.
Olsen Creek	15/16-9-28-4	One 20 ft. span on pile bents.
Oldman River	S.W. $\frac{1}{4}$ 30-7-29-4.	Repairs.

STREAM	LOCATION	REMARKS
Oldman River	12-8-5-5	Four 20 ft. spans on pile bents.
Oldman River ..	3-8-4-5	Three 20 ft. spans on pile bents.
Oldman River	Near Blairmore.	Bank protection.
Oldman Creek	5/6-53-22-4	Repairs.
Oldman Creek .	25-53-23-4	Subway.
Oldman Creek	12/13-53-23-4	Repairs.
Pot Hole Coulee	36-5-22-4	Reflooring.
Parlby Creek	10/11-41-25-4	One 18 ft. span on pile bents.
Parlby Creek	W. 5-41-24-4	One 18 ft. span on pile bents
Pot Hole Creek	17-7-21-4	Grading.
Pine Creek	11-22-1-5	Repairs.
Paddle River	15-59-3-5	Repairs.
Pincher Creek	At Town of Pincher	Reflooring.
Point aux Pins	10/15-53-22-4	Repairs.
Paint Earth	24-39-14-4	Two 20 ft spans on pile bents
Pipestone Creek	8-47-23-4	Repairs.
Ribstone Creek	25/26-44-2-4	Grading
Rolph Creek	22-1-24-4	One 20 ft span on pile bents
Rocky Coulee	28/29-28-1-5	One 20 ft. span on pile bents.
Rosebud River	28/29-29-28-4	Three 20 ft. spans on pile bents
Rosebud River	34/3-30/31-1-5	Two 20 ft spans on pile bents.
Rosebud River .	11/12-27-22-4	Grading
Red Deer River	8-35-3-5	Two 125 ft. steel spans
Ross Creek	1-11-3-4	Two 18 ft. spans on pile bents.
Ross Creek	28-12-5-4	Repairs
Ross Creek	23-12-5-4	Repairs.
Red Deer River	3-33-5-5	Bank protection.
Red Deer River	N W. 36-33-5-5	Bank protection.
Rocky Coulee	28/21-28-28-4	Repairs.
River Hill Creek	3/33-34/35-27-4	One 12 ft. span on frame bents.
Rosebud River	11/14-32-2-5	One 18 ft. span on frame bents.
Ravine	17/18-42-25-4	One 18 ft. span on pile bents.
Ribstone Creek	1/2-39-7-4	Three 18 ft spans on pile bents
Robertson Creek	On Landmg Trail.	Repairs.
Ross Creek	23/26-54-22-4	One 20 ft. span on pile bents.
Ross Creek	27/28-52-18-4	Two 20 ft. spans on pile bents.
Strawberry Creek	West of Sawridge	One 30 ft. log span.
Swamp Creek	Nine miles east of Lesser Slave Lake	One 40 ft. round timber truss.
Swamp Creek	On trail from Mirror Landing to Lesser Slave Lake	One 40 ft truss.
Salt Creek	Tp. 76-14-5	One 24 ft. span bridge.
Silver Creek	N 31-45-21-4	One 16 ft. span on frame bents.
Stoney Creek	7/8-48-20-4	Two 18 ft. spans on pile bents.
Stoney Creek	12/13-48-21-4	Two 18 ft spans on pile bents.
Silver Creek .	19/20-45-20-4.	One 18 ft. span on pile bents.
Silver Creek	19/30-45-20-4	One 18 ft. span on pile bents
Spotted Lake Creek	At Lamerton	Two 18 ft. spans and one 20 ft span on pile bents
Scott's Coulee	2-6-27-4	Two 20 ft. spans on pile bents.
Seven Persons Creek	29-12-5-4	Repairs
Seven Persons Creek	30-12-5-4	Repairs.
Seven Persons Creek	3/34-10/11-7-4	Two 20 ft. spans on pile bents.
Seven Persons Creek	4/33-10/11-7-4	Two 20 ft. spans on pile bents
S. Saskatchewan River	At Medicine Hat.	Maintenance.
Sheep Creek	At Okotoks	Repairs.
St. Germain Creek	Peace River Road..	Repairs
Slough	24-38-28-4	Four 20 ft. spans on pile bents.
Silver Creek	S.W. 7-8-4-5.	One 16 ft. span on frame bents.
Sturgeon River .	R.L. 2-53-26-4.	Repairs
Sturgeon River..	2/3-54-26-4	One 60 ft. steel span.
Sounding Creek...	12/7-30-6/7-4	One 20 ft. span on frame bents.

STREAM	LOCATION	REMARKS
Sturgeon River	8/9-55-24-4	One 60 ft steel span and two 18 ft. spans on pile bents
Sturgeon River	22-55-22-4	One 60 ft steel span and four 18 ft spans on piles
Sturgeon River	E. 29-55-22-4	Repairs.
Sturgeon River	N W $\frac{1}{4}$ 4-56-23-4	Repairs
Sturgeon River	36/6-54/55-25-4	Repairs.
Three Hills Creek	22/23-31-24-4	Three 20 ft. spans on pile bents.
Twelve Mile Coulee	31/36-10-21/22-4	One 18 ft. span on pile bents
Three Hill Creek	29/30-34-25-4	Two 18 ft. spans on pile bents
Todd Creek	11/14-9-2-5	Two 16 ft spans on pile bents
Towatinaw River	On Landing Trail	Repairs
Vermilion River	11/14-52-4-4	Four 18 ft. spans on pile bents.
Vermilion River	1-57-21-4	Repairs.
Vermilion River	7/18-51-14-4	Three 18 ft spans on pile bents.
Vermilion River	25/36-18-15-4	Grading
Vermilion River	17-52-14-4	Three 18 ft spans on pile bents
Vermilion River	6/36-50/51-14-4	Repairs.
Vermilion River	28/29-53-10-4	Three 18 ft spans on pile bents
Willow Creek	W 33-11-27-4	One 125 ft. steel span and three 20 ft. spans on pile bents.
Wolf Creek	W 29-41-26-4	One 18 ft span on frame bents.
Wolf Creek	20/29-41-26-4	One 18 ft span on frame bents.
Weed Creek	7/8-50-27-4	One 18 ft span on pile bents
Wolf Creek	13/18-42-26/27-4	One 18 ft. span on pile bents
Waskasoo Creek	31/32-37-27-4	One 20 ft. span on pile bents
Wolf Creek	14/15-32-17-4	Two 18 ft. spans on pile bents.
Waknagan Creek.	19/24-51-18-19-4	Repairs
Washaway Creek ..	7/12-50-15/16-4	One 20 ft span on pile bents

ROADS

East of section 36, township 51, range 1, west of the 4th meridian. Filling approaches

Between sections 32 and 33, 28 and 29, township 52, range 4, west of the 4th meridian. Putting in culvert and filling.

Road north of Lloydminster Repairs to road on south slope of hills between Lloydminster and Saskatchewan

Telephone road in township 50, range 2, west of the 4th meridian Repairing road.

North-west of section 20, township 48, range 1, west of the 4th meridian. Repairs.

Fourth meridian, south of Lloydminster. Grading and clearing

Sections 1 and 2 to sections 25 and 26, township 44, range 2, west of the 4th meridian Grading approaches and filling.

Lesser Slave River to Lesser Slave Lake Improvements and grading.

Police Barracks, Grouard, to English Church Mission. Culverts and grading.

Athabasca Lake north to Lesser Slave River Grading and clearing.

Narrows Bridge to Prairie River Bridge Corduroy, grubbing and grading.

Lesser Slave Lake south. Corduroying, brushing and filling.

Lesser Slave Lake to Sturgeon Lake Cutting out and widening road.

Between sections 4 and 5, 15 and 16, 23 and 26, township 4, range 24, west of the 4th meridian. Two long grades and culverts

Between sections 3 and 4, 9 and 10, township 2, range 26, west of the 4th meridian. Side hill cut and culverts.

Between sections 13 and 18, 19 and 24, township 1, ranges 26 and 27, west of the 4th meridian. Side hill cuts, fills and culverts

Section 19, township 1, range 26, west of the 4th meridian. Two cuts, culvert and fill

Cardston to Mountain View. Drain, ditch, culvert and fill

Sections 5 and 32, townships 5 and 6, range 22, west of the 4th meridian. Improvement of road and grading.

Between sections 19 and 30, township 5, range 22, west of the 4th meridian Building culverts and grading.

Between sections 10 and 11, township 5, range 23, west of the 4th meridian. Small culverts and grading low places

Through sections 26 and 30, township 2, ranges 28 and 29, west of the 4th meridian. Small bridge and fill.

East and west of Warner. Grading and culverts.

Between sections 8 and 17, township 4, range 17, west of the 4th meridian Grading and culverts

Between sections 11 and 14, township 5, range 22, west of the 4th meridian. Culvert and grading

Between sections 13 and 14, township 4, range 17, west of the 4th meridian Grading and improving road

Between sections 28 and 29, 32 and 33, township 5, range 18, west of the 4th meridian Culvert and grading

Between sections 31 and 36, township 4, ranges 21 and 22, west of the 4th meridian Grading and building culverts.

Between sections 22 and 27, township 5, range 18, west of the 4th meridian. Culverts and grading

Between sections 31 and 6, townships 4 and 5, range 21, west of the 4th meridian Culverts and grading.

Between sections 16 and 17, 28 and 29, township 5, range 21, west of the 4th meridian Side hill cut and grading

Between sections 9 and 16, township 5, range 21, west of the 4th meridian Grading large culvert

Between sections 15 and 16, township 5, range 21, west of the 4th meridian. Culverts and grading

Between sections 22 and 27, township 2, range 16, west of the 4th meridian Repairing grade, fills and culverts

Between sections 12 and 7, 1 and 6, township 4, ranges 23 and 24, west of the 4th meridian Diversion and grading road.

Between sections 13 and 18, 12 and 7, township 5, ranges 20 and 21, west of the 4th meridian Grading and culverts.

Through section 25, township 1, range 26, west of the 4th meridian. Grading and culverts

From sections 2 and 3, to sections 34 and 35, township 2, range 25, west of the 4th meridian Side hill cut, fill and culverts

Between sections 12 and 13, 11 and 14, township 1, range 24, west of the 4th meridian Grading and culverts

Between sections 17 and 18, township 2, range 27, west of the 4th meridian. Culverts and grading

Through section 30, township 1, range 24, west of the 4th meridian Grading and culvert.

Between sections 1 and 2, township 2, range 27, west of the 4th meridian. Culverts and improvements.

Between sections 10 and 15, township 1, range 25, west of the 4th meridian. Cut, fill and culverts

In section 11, township 1, range 26, west of the 4th meridian. Grading and improvements.

Between sections 29 and 32, 28 and 35, 27 and 34, township 5, range 22, west of the 4th meridian Culvert and grading

West of New Norway. Culvert and grading.

Between sections 9 and 10, 15 and 16, township 45, range 19, west of the 4th meridian Grading and culverts

North of sections 7, 8, 9 and 10, township 44, range 20, west of the 4th meridian. Culvert and grading.

North and south of Bawlf, sections 36, 6 and 7, townships 45-7, ranges 17 and 18, west of the 4th meridian. Grading and filling

Between sections 17 and 20, township 43, range 19, west of the 4th meridian. Grading.

Round Hill to Camrose. Grading

Spring Lake to Hastings Coulee. Repairs.

North-west of section 30, township 46, range 21, west of the 4th meridian. Grading and culverts.

North of Lassen on the Grand Trunk Pacific Railway. Grading and improvements.

East from Camrose, north of sections 35 and 36, township 46, range 20, west of the 4th meridian. Grading and culverts.

East of sections 30 and 31, township 48, range 21, west of the 4th meridian. Filling in slough and cutting hills

South of Daysland, township 43, range 16, west of the 4th meridian. Grading and culverts.

North of section 32, township 47, range 20, west of the 4th meridian. Grading and filling.

Daysland to Holden. Improving and filling.

North of section 12, township 49, range 20, west of the 4th meridian. Improvements and grading.

North of sections 22, 23 and 24, township 50, range 20, west of the 4th meridian. Culvert and grading.

East of sections 9 and 16, township 42, range 21, west of the 4th meridian. Grading and improving.

Surveyed road from the north-east corner of section 1 to the north-east corner of section 18, township 42, range 21, west of the 4th meridian. Cutting down hill.

Macleod to Lyndon. Culverts and grading.

Macleod to Porcupine Hills. Grading and filling.

From steel bridge west of Macleod. Grading and filling.

Claresholm and Lyndon Trail. Culverts and grading.

Diversion into the north-east quarter of section 31, townships 10 and 11, range 24, west of the 4th meridian. Grading and improving.

Lyndon to the timber. Grading.

Between sections 25 and 26, 35 and 36, township 12, range 23, west of the 4th meridian. Repairs.

Between sections 19 and 24, township 13, ranges 22 and 23, west of the 4th meridian. Improvements.

Through sections 24, 13 and 14, township 11, range 28, west of the 4th meridian. Improving road, culverts and filling.

Through section 25, township 12, range 23, west of the 4th meridian. Ditching and grading.

Between sections 20 and 29, township 10, range 28, west of the 4th meridian. Grading and culverts.

Between sections 36 and 1, townships 12 and 13, range 23, west of the 4th meridian. Culverts and grading.

Sections 34 and 35, township 12, range 23, west of the 4th meridian. Four culverts and grading.

Sections 7 and 12, township 12, ranges 22 and 23, west of the 4th meridian. Grading slough.

Between sections 17 and 18, township 11, range 28, west of the 4th meridian. Grading and filling holes.

Between sections 15 and 16, township 9, range 28, west of the 4th meridian. Culverts and grading.

Calgary-Beaverdam Trail. Culvert and filling.

Trail north of Morley. Improving.

Subway in section 4, township 27, range 3, west of the 5th meridian. Building subway.

Between sections 22 and 23, 26 and 27, 34 and 35, township 26, range 4, west of the 5th meridian. Opening and improving road.

East of township 27, range 4, west of the 5th meridian. Culvert and grading.

Between sections 6 and 1, 1 and 36, townships 28 and 29, ranges 4 and 5, west of the 5th meridian. Culvert and filling.

Between sections 8 and 17, township 25, ranges 4 and 5, west of the 5th meridian. Improving and culverts.

In section 10 township 26, range 4, west of the 5th meridian. Side hill and culvert.

Huggard's slough, township 27, range 28, west of the 4th meridian. Culvert and slough work.

East of sections 5, 8 and 32, townships 27 and 28, range 3, west of the 5th meridian. Culvert and grading.

Between sections 4 and 5, 8 and 9, 32 and 33, townships 27 and 28, range 3, west of the 5th meridian. Clearing.

Between sections 19 and 24, township 29, range 5, west of the 5th meridian. Brushing.

South of sections 1, 2 and 3, township 27, range 4, west of the 5th meridian. Repairing and culvert.

Between sections 25 and 26, township 28, range 1, west of the 5th meridian. Grading and filling.

In section 28, township 25, range 4, west of the 5th meridian. Subway and filling.

Between sections 22 and 24, 27, 29 and 1, 4 and 5, 24 and 25, township 27, range 1, west of the 5th meridian. Grading and clearing.

Between sections 26 and 35, township 28, range 1, west of the 5th meridian. Culverts and grading.

Between sections 16 and 17, township 31, range 1, west of the 5th meridian. Filling in approaches to bridge

North-east of section 14, township 31, range 26, west of the 4th meridian. Subway and filling.

Between sections 32 and 33, township 32, range 4, west of the 5th meridian Culvert and levelling.

Section 33 to section 36, township 32, range 4, west of the 5th meridian. Hill grading and filling

Between sections 4 and 5, township 30, range 25, west of the 4th meridian 10 ft span bridge

Between sections 22 and 23, 26 and 27, township 31, ranges 23 and 24, west of the 4th meridian. Fills, side hill and culverts.

In section 26, township 29, range 21, west of the 4th meridian Fixing approach to ferry.

South of section 1, township 31, range 1, west of the 5th meridian. Grading and improving road.

Section 34, township 30, range 3, west of the 5th meridian. Grading and filling

Between sections 7 and 18, 9 and 16, township 31, range 26, west of the 4th meridian Improvement of road and grading

Main road Strathmore to Cheadle Improving road.

North of section 32, township 22, range 21, west of the 4th meridian Filling ravine and building bridge

Between sections 21 and 28, 28 and 29, township 22, range 21, west of the 4th meridian. Grading and culvert.

In section 16, township 25, range 1, west of the 5th meridian. Improving road

Between sections 15 and 16, township 25, range 1, west of the 5th meridian. Improving bush trail.

Kneel Hill to Calgary. Culvert and filling

Gleichen to Rosebud. Ten culverts and filling.

Crowfoot Creek bridge on Rosebud trail Grading and culvert.

Between sections 18 and 13, township 23, ranges 26 and 27, west of the 4th meridian. Improving road.

Gleichen east of Cluny Culvert and grading.

From Shepard east to Bennett. Road improvement

Between sections 16 and 21, township 25, range 1, west of the 5th meridian. Road improvement and culvert

Between sections 25 and 26, township 26, range 1, west of the 5th meridian. Culverts and filling.

East of section 24, township 25, range 24, west of the 4th meridian. Repairing bad slough.

South of section 3, township 25, range 22, west of the 4th meridian. Repairing culverts and grading

South of Strathmore Inspection.

Between sections 21 and 28, township 22, range 23, west of the 4th meridian. Inspection.

Between sections 20 and 29, township 24, range 28, west of the 4th meridian. Grading sloughs.

Between sections 23 and 24, 26 and 27, 10 and 11, township 24, range 25, west of the 4th meridian. Fixing alkali flats.

North of sections 22, 23 and 24, township 25, range 29, west of the 4th meridian. Repairing east and west roads.

Between sections 13 and 18, 24 and 19, 25 and 30, township 22, ranges 22 and 23, west of the 4th meridian. Repairing grades to culverts.

North of section 11, township 17, range 28, west of the 4th meridian. Fixing bad slough

Between sections 31 and 36, township 19, ranges 25 and 26, west of the 4th meridian Culvert and grading

Between sections 25 and 24, 23 and 26, 19 and 30, township 35, range 1, west of the 5th meridian. Grading and building culvert

Between sections 10 and 15, township 36, range 3, west of the 5th meridian. Brushing slough.

West of Raven Post Office. Improvement and grading.

Main road to Pine Lake. Culverts, grading and filling.
 East of proposed bridge between sections 8 and 17, township 35, range 3, west of the 5th meridian. Grading and filling.
 Between sections 34 and 2, townships 34 and 35, range 24, west of the 4th meridian. Improving road and grading.
 Between sections 32 and 5, townships 41 and 42, range 26, west of the 4th meridian. Filling and improving road.
 Between sections 31 and 32, township 41, range 26, west of the 4th meridian. Opening road allowance.
 Between sections 20 and 21, 28 and 29, township 40, range 22, west of the 4th meridian. Repairs.
 Bentley to Medicine River. Building culverts and improving road.
 Between sections 17 and 18, township 40, range 23, west of the 4th meridian. Improvements.
 West of sections 27 and 34, township 41, range 26, west of the 4th meridian. Culvert and filling.
 Between sections 2 and 11, township 41, range 27, west of the 4th meridian. Improvements.
 Lacombe to Gull Lake. Grading and filling.
 North of Alix, between sections 7 and 18, township 41, range 22, west of the 4th meridian. Filling and grading.
 Between sections 11 and 14, township 40, range 1, west of the 5th meridian. Building culverts.
 St. Albert to Lac Ste. Anne. Improvements.
 Lac Ste. Anne to Paddle River and Green Court. Improvements.
 West of Wabamun, township 53, range 6, west of the 5th meridian. Grading, filling and improving.
 Wabamun to Lobstick Lake. Filling and grading.
 Lac Ste. Anne-Island Lake Road. Clearing trail.
 From Entwistle north to Roydale. Improvements.
 Between sections 11 and 12, township 53, range 4, west of the 5th meridian. Grading, culvert and filling.
 Medicine Lodge to Grand Prairie. Repairs.
 Surveyed trail in sections 1 and 2, township 9, range 22, west of the 4th meridian. Improvements.
 In section 5, township 6, range 21, west of the 4th meridian. Grading and culvert.
 Lethbridge to Stirling. Filling and grading.
 Lethbridge to Coaldale. Improvements.
 Between sections 9 and 10, 15 and 16, township 7, range 21, west of the 4th meridian. Repairing and grading.
 Between sections 2 and 3, 10 and 11, township 9, range 20, west of the 4th meridian. Grading and filling.
 Between sections 31 and 32, township 6, range 18, west of the 4th meridian. Building culverts.
 Between sections 22 and 27, township 6, range 20, west of the 4th meridian. Improvements.
 Between townships 8 and 9, ranges 19 and 20, west of the 4th meridian. Filling and grading.
 Between sections 25 and 30, 36 and 31, township 10, ranges 14 and 15, west of the 4th meridian. Grading and culverts.
 South of Grassy Lake. Repairing bad places.
 Between sections 25 and 30, township 9, ranges 20 and 21, west of the 4th meridian. Fixing road with culvert.
 Between sections 11 and 12, 1 and 2, township 9, range 13, west of the 4th meridian. Culverts and grading.
 Between sections 21 and 28, township 10, range 22, west of the 4th meridian. Improvements.
 Between sections 15 and 16, 21 and 22, 33 and 34, township 10, range 22, west of the 4th meridian. Filling low places and grading.
 Between sections 9 and 16, 10 and 15, township 6, range 20, west of the 4th meridian. Improving bad places.
 Between sections 7 and 12, township 10, ranges 16 and 17, west of the 4th meridian. Constructing culverts and grading.
 Between sections 3 and 4, township 12, range 17, west of the 4th meridian. Small bridge and grading.
 Between sections 11 and 12, 35 and 36, township 11, range 17, west of the 4th meridian. Filling and grading.
 Between sections 7 and 8, township 10, range 14, west of the 4th meridian. Small culvert and grading.
 Between sections 15 and 16, township 6, range 20, west of the 4th meridian. Improving road and grading.

In section 26, township 10, range 20, west of the 4th meridian. Improvements.

West of sections 26 and 35, township 13, range 22, west of the 4th meridian Culverts, filling and grading.

Between sections 34 and 2, townships 10 and 11, range 21, west of the 4th meridian. Filling and grading.

West of section 31, township 10, range 21, west of the 4th meridian. Improvements.

South of section 5, township 11, range 19, west of the 4th meridian. Improvements.

South through townships 17, 18 and 19, range 18, west of the 4th meridian. Improvements

North of township 9, range 15, west of the 4th meridian. Grading and improvements

Between sections 1 and 2, township 12, range 17, west of the 4th meridian. Filling and improving.

Between sections 4 and 33, townships 11 and 12, range 17, west of the 4th meridian. Grading and levelling

North-east of section 35, township 10, range 22, west of the 4th meridian. Improving and grading

Between sections 11 and 12, township 9, range 20, west of the 4th meridian. Grading

Between sections 29 and 30, township 12, range 21, west of the 4th meridian to sections 17 and 18, township 13, range 21, west of the 4th meridian. Clearing

Between sections 33 and 3, townships 6 and 7, range 21, west of the 4th meridian. Grading and filling

Between sections 16 and 17, township 8, range 21, west of the 4th meridian. Widening road and grading

Between sections 14 and 15, township 8, range 22, west of the 4th meridian. Grading slough and culverts.

Between sections 31 and 36, 1 and 6, townships 11 and 12, ranges 21 and 22, west of the 4th meridian. Building culvert and grading slough

Between sections 7 and 18, 8 and 17, 9 and 16, township 13, range 21, west of the 4th meridian. Improving and grading.

Between sections 1 and 2, township 13, range 22, west of the 4th meridian. Improving, grading and filling

Between sections 7 and 12, township 12, ranges 22 and 23, west of the 4th meridian. Grading slough

Between sections 10 and 15, township 6, range 18, west of the 4th meridian. Improvements.

Between sections 4 and 5, 8 and 9, township 6, range 18, west of the 4th meridian. Grading and repairing

West of section 19, township 12, range 19, west of the 4th meridian. Grading side hill

Between sections 13 and 14, township 11, range 22, west of the 4th meridian. Culverts, grading and filling

Between sections 12 and 13, township 11, range 22, west of the 4th meridian. Culvert and four ft. fill.

Between sections 24 and 25, township 10, ranges 12 and 13, west of the 4th meridian. Improvements

East of sections 2 to 35, township 9, range 12, west of the 4th meridian. Culvert and filling

North of sections 19, 20 and 21, township 12, range 21, west of the 4th meridian. Grading and culvert

South of section 6, township 12, range 19, west of the 4th meridian. Cutting hill and filling

Between sections 2 and 3, township 12, range 21, west of the 4th meridian. Culvert building

Between sections 25 and 26, township 10, range 12, west of the 4th meridian. Picking up rocks, etc.

Between Leduc and Ohrnville. Grading and fixing.

Between sections 1 and 36, township 48, range 27, west of the 4th meridian. Grading and repairing

North-east section of 11, township 50, range 24, west of the 4th meridian. Clearing and fixing road

West of Milet. Fixing holes and grading.

Between sections 1 and 36, townships 47 and 48, range 27, west of the 4th meridian. Grading and repairing.

Between sections 2 and 3, township 50, range 24, west of the 4th meridian. Corduroying.

Blind Line west of Ohrnville. Township 49, ranges 1 and 2, west of the 5th meridian. Covering corduroy.

Between north-west quarter of section 2 and the south-west quarter of section 11, township 50, range 27, west of the 4th meridian Improvements.

North of sections 31 to 36, township 48, ranges 27 and 28, west of the 4th meridian. Grading and filling.

Between sections 27 and 28, township 48, range 25, west of the 4th meridian. Brushing slough and building culverts.

North of sections 8 to 12, township 50, range 26, west of the 4th meridian. Brushing mud holes and repairing road.

Between sections 3 and 4, 9 and 10, 10 and 15, township 48, range 24, west of the 4th meridian Culverts and improving road.

Range line east of township 49, range 27, west of the 4th meridian Grading

Between sections 11 and 12, township 8, range 26, west of the 4th meridian. Culverts and improvements

Macleod-Standoff Trail. Grading and filling.

Between sections 28 and 21, township 9, range 24, west of the 4th meridian. Grading and clearing.

Between sections 19 and 24, township 7, ranges 25 and 26, west of the 4th meridian. Grading.

Between sections 5 and 6, township 5, range 26, west of the 4th meridian. Grading

West of sections 30 and 31, township 9, range 24, west of the 4th meridian Improving road.

North of sections 24 to 19, township 9, range 24, west of the 4th meridian Culverts and improvements

Between sections 23 and 26, township 7, range 25, west of the 4th meridian. Grading

Between sections 25 and 26, township 7, range 25, west of the 4th meridian. Cutting down hill.

North of sections 34, 35 and 36, township 10, range 7, west of the 4th meridian. Grading.

Redcliffe to Medicine Hat Building culverts and grading.

In section 10, township 12, range 5, west of the 4th meridian Grading and filling.

Between sections 28 and 29, township 12, range 5, west of the 4th meridian. Improvements

Josephsburg-Irvine Trail. Grading and building culverts.

From Medicine Hat to south line of township 7, range 3, west of the 4th meridian Grading

Between sections 27 and 34, township 9, range 7, west of the 4th meridian. Improvements

Between sections 19 and 30, 20 and 29, township 7, range 2, west of the 4th meridian. Improvement of road and small bridge.

Between sections 25 and 30, township 7, ranges 2 and 3, west of the 4th meridian Filling up holes

Elkwater-Medicine Lodge trail. Grading.

Between sections 23 and 24, 25 and 26, township 9, range 2, west of the 4th meridian. Filling and grading

Between sections 8 and 9, township 11, range 8, west of the 4th meridian Improvements.

Between sections 10 and 11, 14 and 15, township 10, range 2, west of the 4th meridian Filling and grading

Medicine Hat south through townships 9, 10 and 11, range 5, west of the 4th meridian. Culverts and grading.

South half of section 7, township 10, range 2, west of the 4th meridian Laying out road.

Between sections 13 and 18, township 10, ranges 6 and 7, west of the 4th meridian. Fixing hill.

Between sections 19 and 24, township 9, ranges 3 and 4, west of the 4th meridian Grading coulee.

Between sections 2 and 11, township 7, range 6, west of the 4th meridian Building log culvert.

Through section 19, township 8, range 3, west of the 4th meridian. Filling washout and culvert.

Between sections 33 and 34, township 9, range 3, west of the 4th meridian. Grading hill.

West of sections 24 and 25, township 7, range 3, west of the 4th meridian Grading and repairing road.

In section 31, township 12, range 5, west of the 4th meridian. Grading under C.P.R. bridge

Through sections 35 and 36, township 12, range 6, west of the 4th meridian Culverts and grading.

Between sections 29 and 30, township 10, range 8, west of the 4th meridian.
 Fixing road and culverts.
 East of section 15, township 10, range 2, west of the 4th meridian. Subway.
 Between sections 1 and 2, township 10, range 6, west of the 4th meridian.
 Grading side hill and slough.
 East of sections 7, 18 and 19, township 11, range 5, west of the 4th meridian.
 Grading, culverts and filling.
 Between sections 13 and 14, township 10, range 7, west of the 4th meridian.
 Building culverts
 Between sections 9 and 10, township 11, range 7, west of the 4th meridian.
 Grading and filling.
 West of sections 17, 20 and 29, township 10, range 9, west of the 4th meridian.
 Grading slough.
 Between sections 9 and 10, township 15, range 28, west of the 4th meridian.
 Subway, grading and culverts.
 Between sections 25 and 26, township 15, range 27, west of the 4th meridian.
 Grading and fixing road.
 Between sections 14 and 15, 22 and 23, township 15, range 27, west of the 4th meridian. Grading and repairing road.
 South of Nanton in township 16, range 28, west of the 4th meridian. Building culverts
 Between sections 5 and 8, township 16, range 28, west of the 4th meridian.
 Double culverts 4 ft. by 3 ft
 South Morley Trail, section 13, township 24, range 2, west of the 5th meridian.
 Improvements and grading.
 Priddis Trail on Sarcee Indian Reserve, township 22, range 2, west of the 5th meridian. Grading and filling.
 Mullarville, Priddis, Okotoks trail. Culverts, grading and improvements
 Between sections 20 and 29, township 22, range 1, west of the 5th meridian
 Improvements.
 Township 22, ranges 1 and 2, west of the 5th meridian. Culverts, grading and filling.
 Between sections 24 and 25 to between sections 19 and 30, township 24, range 4, west of the 5th meridian. Filling and grading.
 From section 4 to 9, township 22, range 3, west of the 5th meridian. Building culverts and grading.
 In section 2, township 20, range 3, west of the 5th meridian. Building subway.
 Between sections 20 and 21, 19 and 20, township 23, range 1, west of the 5th meridian. Improvements.
 Between sections 18 and 13, township 24, ranges 1 and 2, west of the 5th meridian. Grading.
 Between sections 22 and 27, 23 and 26, 24 and 25, township 24, range 4, west of the 5th meridian. Culverts and grading.
 North of section 31, township 19, range 26, west of the 4th meridian. Grading and constructing culverts
 Okotoks to Sandstone, township 20, range 1, west of the 5th meridian. Culverts and grading
 Between sections 7 and 12, 1 and 6, township 20, ranges 26 and 27, west of the 4th meridian. Grading and culverts
 Between sections 22 and 27, 21 and 28, township 33, range 28, west of the 4th meridian. Grading and filling.
 Between sections 19 and 20, township 33, range 1, west of the 5th meridian.
 Improvements.
 North of section 21, township 34, range 28, west of the 4th meridian. Improvements.
 Between sections 22 and 23, township 33, range 3, west of the 5th meridian.
 Grading
 Between sections 16 and 17, township 33, range 3, west of the 5th meridian.
 Draining, grading and improving.
 Through the south-west quarter of section 16, township 33, range 4, west of the 5th meridian. Improvements.
 Between sections 6 and 31, 5 and 32, townships 32 and 33, range 4, west of the 5th meridian. Culverts, grading and filling.
 East of section 16, township 34, range 28, west of the 4th meridian. Clearing and grading
 North of sections 31 and 32, township 33, range 28, west of the 4th meridian.
 Culverts and clearing
 Between sections 31 and 32, 19 and 20, township 34, range 26, west of the 4th meridian. Grading and draining.
 Between sections 2 and 35, 3 and 34, townships 32 and 33, range 6, west of the 5th meridian. Clearing and improving.

Between sections 19 and 30, township 34, range 25, west of the 4th meridian.
Improvements.
Between sections 21 and 28, township 33, range 1, west of the 5th meridian.
Grading.
Township line, east of Olds Removing cave-in.
In the south-west quarter of section 4, township 34, range 28, west of the 4th meridian. Subway.
Between sections 26 and 27, township 32, range 27, west of the 4th meridian.
Grading.
White Fish Lake to Lac La Biche. Grading.
Road leading to Brosseau Ferry. Repairs
Between sections 6 and 31, townships 56 and 57, range 6, west of the 4th meridian Clearing and grading road
St. Paul de Metis to St. Edouard Culverts and improvements
St. Paul de Metis to Moose Lake Grading and filling.
Between sections 33 and 34, 3 and 4, 9 and 10, townships 60 and 61, range 9, west of the 4th meridian Fixing bad places.
Between sections 27 and 28, township 60, range 9, west of the 4th meridian.
Improvements.
Between sections 3 and 4, 33 and 34, township 58, range 9, west of the 4th meridian Improvements.
Township 59, range 9, west of the 4th meridian Cutting and grading bad places.
Moose Lake to Brosseau. Grading.
Between sections 28 and 29, township 59, range 9, west of the 4th meridian.
Culverts and grading.
Between sections 20 and 29, township 57, range 8, west of the 4th meridian.
Filling and grading
Onion Lake to Frog Lake Improvements.
Between sections 5 and 32, townships 59 and 60, range 8, west of the 4th meridian Grading and levelling
North of sections 28, 27 and 26, township 56, range 7, west of the 4th meridian
Clearing.
Cold Lake to Moose Lake. Culverts and grading.
From Mission to Hupeys, Lac La Biche Road Grading and filling
Road from Hupeys to White Fish Lake Improvements
On the 4th meridian, north of the North Saskatchewan River Culverts and grading.
Between sections 9 and 10, township 58, range 9, west of the 4th meridian
Grading and filling road.
Improvement of surveyed road south and west of Clarkville. Grading.
Plamondonville to Roman Catholic Mission. Improvements
Between sections 2 and 3, township 61, range 10, west of the 4th meridian
Grading and filling road
East of sections 3, 10, 14 and 23, township 59, range 11, west of the 4th meridian.
Grubbing out road.
Section 8, between 17 and 18, 18 and 19, township 59, range 11, west of the 4th meridian Grubbing out road
Between sections 23 and 24, 25 and 26, 35 and 36, township 59, range 26, west of the 4th meridian Grading and improvements.
Between sections 9 and 16, township 56, range 1, west of the 5th meridian
Clearing and grading
North of section 36, township 59, range 27, west of the 4th meridian Grading and improving.
On township line between townships 59 and 60, range 2, west of the 5th meridian Grubbing.
On township line in sections 35 and 36, 6, townships 58 and 59, ranges 26 and 27, west of the 4th meridian. Corduroying
Between sections 1 and 2, 11 and 12, township 60, range 27, west of the 4th meridian. Fixing bad places.
Between sections 31 and 6, township 58, range 2, west of the 5th meridian.
Grading and repairing
Between sections 11 and 12, 13 and 14, township 60, range 26, west of the 4th meridian. Improving, grading and filling
Between sections 36 and 1, townships 55 and 56, range 2, west of the 5th meridian. Corduroying and grading swamp, and 14 ft. span bridge.
Between sections 9 and 16, 8 and 17, township 58, range 3, west of the 5th meridian. Finishing ditch.
North of sections 19 to 24, township 58, range 1, west of the 5th meridian.
Grubbing.
Between sections 36 and 1, townships 58 and 59, range 3, west of the 5th meridian. Grubbing.

White Court to Green Court and Lac Ste. Anne. Corduroying, grubbing and clearing.

Between sections 4 and 9, township 60, range 1, west of the 5th meridian. Grading and clearing.

East and west of Sion, base line between townships 56 and 57. Grubbing and cutting out road.

Between sections 9 and 16, township 57, range 2, west of the 5th meridian. Grading and draining.

Macon Creek on Spirit River trail. Grading approaches to ferry

Peace River Trail. Corduroying, grading and improving.

Dunvegan to Spirit River. Grading and improving.

Medicine Lodge to Grande Prairie. Inspection.

Township line between 8 and 9, range 1, west of the 5th meridian Improvements.

Between Pincher Creek and Pincher Station. Culverts and improvements

In the south half of section 9, township 5, range 28, west of the 4th meridian. Subway.

Township line between sections 41 and 42, ranges 3 and 4, west of the 5th meridian. Grading, culverts and improvements.

West of Asylum, Ponoka Improvements.

Crossing Long Lake, between townships 42 and 43, range 27, west of the 4th meridian. Grading and filling.

Township line between townships 41 and 42, range 2, west of the 5th meridian. Filling and improving.

Between sections 4 and 9, 10 and 11, township 43, range 25, west of the 4th meridian. Grading and improving

South of Ponoka, through township 42, range 25, west of the 4th meridian. Culvert and grading.

In the north-west quarter of section 10, township 42, range 4, west of the 5th meridian Building subway.

East side of sections 29 and 32, township 42, range 25, west of the 4th meridian. Opening road allowance.

Between sections 32 and 33, 4 and 5, 8 and 9, townships 43 and 44, range 25, west of the 4th meridian. Clearing and grading.

Road between Ponoka and Battle Lake Township 43, ranges 23 and 24, west of the 4th meridian. Grading and clearing.

Between sections 21 and 22, 21 and 28, township 42, range 24, west of the 4th meridian. Clearing and filling

Between sections 21 and 22, 21 and 28, township 42, range 22, west of the 4th meridian. Grading and clearing

North of sections 35 and 36, township 43, range 22, west of the 4th meridian. Fixing road

Between sections 23 and 24, 35 and 36, township 43, range 1, west of the 5th meridian. Grading.

Between sections 9 and 16, 10 and 15, township 38, range 2, west of the 5th meridian. Culverts and grading

Between sections 23 and 26, township 39, range 3, west of the 5th meridian. Grading and filling.

Red Deer to Snake Lake. Grading and improving.

Between sections 7 and 8, township 38, range 28, west of the 4th meridian. Improvements.

Sylvan Lake to Medicine River. Grading, levelling and clearing.

Between sections 34 and 3, townships 38 and 39, range 3, west of the 5th meridian. Grading muskeg.

West of Sylvan Lake between townships 38 and 39, through ranges 3 and 4, west of the 5th meridian. Grading and filling

Between sections 10 and 15, township 38, range 3, west of the 5th meridian. Clearing and grading.

Correction line to cheese factory, township 38, ranges 1 and 2, west of the 5th meridian. Opening road.

Between sections 9 and 10, township 39, range 3, west of the 5th meridian. Grading.

In sections 29, 32 and 33, township 38, range 27, west of the 4th meridian. Improvements.

Hill north of Red Deer. Culverts and grading.

Content Trail between townships 37 and 38, range 26, west of the 4th meridian. Scraping and grading.

To Clearwater River, north of township 38, ranges 5 and 6, west of the 5th meridian. Clearing and corduroying.

From Frank to Little Mines. Removing loose rocks.

From Frank to Lundbreck. Removing boulders.

Frank to Crow's Nest. Repairs and grading.

Grassy Mountain Trail, township 8, ranges 3 and 4, west of the 5th meridian. Grading and improvements.

From Base Line to Independence Post Office, township 57, range 27, west of the 4th meridian. Corduroying and grading.

Lac Ste. Anne Trail. Grading and clearing.

Between sections 2 and 35, townships 54 and 55, range 27, west of the 4th meridian. Corduroying.

South of sections 1 and 2, township 55, range 26, west of the 4th meridian. Grading and clearing.

Between sections 9 and 16, township 55, range 27, west of the 4th meridian. Fixing road.

Between sections 5 and 6, township 56, range 26, west of the 4th meridian. Grading and fixing road.

Through townships 54 and 55, range 25, west of the 4th meridian. Improvements.

Between sections 32 and 33, 28 and 29, township 58, range 24, west of the 4th meridian. Corduroying.

Between sections 5 and 31, townships 54 and 55, range 25, west of the 4th meridian. Grading.

Between sections 13 and 14, township 57, range 25, west of the 4th meridian. Repairing road.

Between sections 23 and 26, township 57, range 27, west of the 4th meridian. Grading and improving.

Between sections 2 and 3, township 56, range 25, west of the 4th meridian. Corduroying.

Between sections 3 and 4, township 58, range 24, west of the 4th meridian. Covering corduroy.

Between sections 5 and 6, 31 and 32, townships 53 and 54, range 26, west of the 4th meridian. Grading and fixing road.

North-east quarter of section 9, township 54, range 26, west of the 4th meridian. Subway.

Township line between townships 56 and 57, range 27, west of the 4th meridian. Grading and improvements.

East of section 12, township 54, range 26, west of the 4th meridian. Grading and filling.

In section 9, township 54, range 26, west of the 4th meridian. Grading and filling.

Through sections 34, 35 and 36, township 42, range 10, west of the 4th meridian. Improvements.

Between sections 16 and 17, township 43, range 12, west of the 4th meridian. Culverts and grading.

Between sections 10 and 15, township 44, range 12, west of the 4th meridian. Grading and fixing road.

Rosyth to Hardisty. Improvements.

East of section 23, township 47, range 13, west of the 4th meridian. Improvements.

South of Lougheed, between ranges 11 and 12, west of the 4th meridian. Culvert and grading.

North of township 36, ranges 11 and 12, west of the 4th meridian. Grading hill and culvert.

East of section 29, township 45, range 11, west of the 4th meridian. Culvert and clearing.

East of section 3, township 43, range 11, west of the 4th meridian. Culverts and grading.

Townships line north of township 37, ranges 12 and 13, west of the 4th meridian. Grading and culverts.

14th Base Line, Edmonton to Wabamun Lake. Culverts and grading.

Between sections 5 and 6, 7 and 8, township 52, range 25, west of the 4th meridian. Culverts and improvements.

Between sections 17 and 18, township 53, range 25, west of the 4th meridian. Grading and fixing road.

Mewassin to Inga, between townships 51 and 52, ranges 1 and 2, west of the 5th meridian. Fixing culvert.

Between sections 25 and 26, 36 and 35, township 53, range 25, west of the 4th meridian. Corduroying and grading.

Graminia to Woodbend in township 51, range 26, west of the 4th meridian. Grading and repairing.

Onoway south. Grading and improvements.

Section 19 to between sections 12 and 13, township 53, range 1, west of the 5th meridian. Grading and filling.

On range line, township 52, ranges 5 and 6, west of the 4th meridian. Improvements.

Between sections 26 and 35, township 51, range 1, west of the 5th meridian. Grading and repairing.

Blind line through sections 3, 4 and 5, township 52, range 4, west of the 5th meridian. Repairing and grading road.

Between sections 10 and 15, township 53, range 26, west of the 4th meridian. Grading.

Between sections 1 and 2, township 53, range 27, west of the 4th meridian. Filling and grading.

Edmonton to Athabasca Landing. Fixing hill and pot holes.

Between sections 1 and 2, 23 and 24, township 57, range 23, west of the 4th meridian. Grading and improving.

Between townships 55 and 56, range 24, west of the 4th meridian. Grading and repairing.

Through centre of township 57, range 22, west of the 4th meridian. Improving and grading.

North of section 36, township 54, range 24, west of the 4th meridian. Grading and filling road.

Between sections 2 and 3, township 59, range 20, west of the 4th meridian. Improving and grading.

Between sections 11 and 14, township 57, range 24, west of the 4th meridian. Corduroying.

Edmonton-Battenberg Road, between townships 55 and 56, range 23, west of the 4th meridian. Culverts and grading.

Between sections 12 and 13, 7 and 18, township 54, range 24, west of the 4th meridian. Grading and filling.

Between sections 10 and 15, township 65, range 22, west of the 4th meridian. Grading and corduroying.

On hill north of Athabasca River Crossing. Cutting down and grading.

Towatnaw Bridge east and west of Lac La Biche road. Improvements.

Between sections 1 and 2, township 59, range 19, west of the 4th meridian. Grading and improving.

Between sections 15 and 22, 20 and 21, township 65, range 21, west of the 4th meridian. Brushing and corduroying.

Cooking Lake Trail. Grading and levelling.

Dowler Hill. Grading and filling.

"Y" road between sections 22 and 27, 23 and 26, township 52, range 22, west of the 4th meridian. Grading and levelling.

South from Strathcona to cemetery. Filling and grading.

Mill Creek bridge, township 52, range 24, west of the 4th meridian. Grading and levelling.

Between sections 15 and 16, township 53, range 22, west of the 4th meridian. Culverts and filling.

Between sections 2 and 35, townships 52 and 53, range 23, west of the 4th meridian. Culverts and improvements.

Blind line east of Strathcona, township 52, range 24, west of the 4th meridian. Grading, filling and culverts.

Between sections 25 and 30, township 52, ranges 21 and 22, west of the 4th meridian. Corduroying and grading.

Between sections 34 and 35, township 52, range 22, west of the 4th meridian. Covering corduroy.

East of section 31, township 38, range 18, west of the 4th meridian. Teaming.

North and south roads from section 34, township 38, range 18, west of the 4th meridian. Repairs.

Range line south of Stettler, township 38, range 19, west of the 4th meridian. Culverts.

In section 29, township 29, range 21, west of the 4th meridian. Grading and improvements.

Tinchebray to Castor, townships 37, 38 and 39, range 14, west of the 4th meridian. Culverts, grading and levelling.

Grade out of Paintearth Coulee, between sections 24 and 25, township 39, range 14, west of the 4th meridian. Grading, filling and culverts.

South of Halkirk, townships 36, 37 and 38, range 16, west of the 4th meridian. Culvert and grading.

Between sections 19 and 20, 7 and 8, township 38, range 21, west of the 4th meridian. Grading and culverts.

North of Halkirk, between sections 13 and 14, 11 and 12, township 40, range 16, west of the 4th meridian. Cutting down hill.

Castor to Halkirk, townships 37 and 38, ranges 14 and 15, west of the 4th meridian. Clearing and corduroying.

Vegreville to Warwick. Culverts and grading.

Between sections 19 and 20, township 57, range 15, west of the 4th meridian. Culverts and grading.

In section 11, township 57, range 14, west of the 4th meridian. Grading and levelling.

Between sections 33 and 34, township 50, range 17, west of the 4th meridian. Culvert, grading and repairing.

West of sections 1 to 36, township 55, range 14, west of the 4th meridian. Grading and filling.

Between sections 17 and 18, township 55, range 14, west of the 4th meridian. Filling and grading.

Between sections 4 and 5, township 55, range 13, west of the 4th meridian. Grading and filling road.

Between sections 24 and 25, township 51, range 15, west of the 4th meridian. Culverts and grading.

South of Holden, townships 48 and 49, range 16, west of the 4th meridian. Grading and culverts.

Bruce south to north boundary of township 46. Culverts and grading.

Between sections 13 and 24, township 52, range 15, west of the 4th meridian. Grading and levelling.

West of section 24, township 52, range 17, west of the 4th meridian. Culverts.

Township line between townships 52 and 53, range 15, west of the 4th meridian. Grading sloughs.

Between sections 1 and 2, township 48, range 13, west of the 4th meridian. Grading sloughs.

Between sections 15 and 16, township 51, range 16, west of the 4th meridian. Clearing and grading road.

Between sections 33 and 34, township 54, range 14, west of the 4th meridian. Side hill cuts and sloughs.

Township line between 49 and 50, ranges 17 and 18, west of the 4th meridian. Grading sloughs and culverts.

Mundare to Chipman, between sections 22 and 27, township 53, range 17, west of the 4th meridian. Raising grades.

Between sections 11 and 14, township 54, range 13, west of the 4th meridian. Grading and filling.

Between sections 16 and 17, township 51, range 13, west of the 4th meridian. Draining slough.

Between sections 7 and 12, township 49, ranges 18 and 19, west of the 4th meridian. Grading and levelling.

Between sections 1 and 6, 7 and 12, 13 and 18, township 49, ranges 14 and 15, west of the 4th meridian. Culverts and draining.

Township line between 54 and 55, range 13, west of the 4th meridian. Grading.

Between sections 8 and 17, township 55, range 15, west of the 4th meridian. Grading and culverts.

Viking to Philips, township 47, ranges 12 and 13, west of the 4th meridian. Culverts and filling.

Road to Kingman, between sections 7 and 8, township 49, range 19, west of the 4th meridian. Grading.

Between sections 10 and 15, township 52, range 14, west of the 4th meridian. Improvements.

Between sections 24 and 25, township 51, range 15, west of the 4th meridian. Grading slough.

Range line, township 53, ranges 16 and 17, west of the 4th meridian. Grading.

North of sections 19 and 20, township 50, range 19, west of the 4th meridian. Improvements.

East of sections 1 to 24, township 56, range 7, west of the 4th meridian. Repairs.

North of Vermilion. Grading and culverts.

North of sections 24 and 25, township 55, range 12, west of the 4th meridian. Grading, ditching and bridging.

On flats between sections 9 and 10, 15 and 16, township 54, range 9, west of the 4th meridian. Grading and improvements.

Between sections 16 and 17, township 47, range 7, west of the 4th meridian. Improvements.

In section 10, township 51, range 12, west of the 4th meridian. Culverts and grading.

In section 3, township 51, range 11, west of the 4th meridian. Grading.

North of Mannville, between townships 52 and 53, ranges 8 and 9, west of the 4th meridian. Improvements.

Hopkin's Crossing. Grading ferry approaches.

Minburn Road, between townships 50 and 51, range 10, west of the 4th meridian. Clearing and levelling.

Between sections 23 and 26, township 50, range 10, west of the 4th meridian. Grading.

Between sections 2 and 3, township 50, range 10, west of the 4th meridian. Discing.

Ranfurly road, between sections 1 and 6, township 52, ranges 11 and 12, west of the 4th meridian. Cutting hill and filling.

South of section 26, township 51, range 11, west of the 4th meridian. Grading and filling.

North of sections 8 to 11, township 54, range 10, west of the 4th meridian. Improvements.

Between sections 23 and 24, 25 and 26, township 53, range 12, west of the 4th meridian. Grading and improvements.

In section 13, township 46, range 7, west of the 4th meridian. Cutting bush on side hills.

Between sections 2 and 3, township 57, range 17, west of the 4th meridian. Grading approaches.

In section 2, township 57, range 17, west of the 4th meridian. Grading.

Between sections 9 and 16, township 55, range 20, west of the 4th meridian. Improvements.

Between sections 4 and 5, 8 and 9, 16 and 17, township 54, range 22, west of the 4th meridian. Grading and fixing road.

Between sections 2 and 35, townships 55 and 56, range 19, west of the 4th meridian. Improvements.

Between sections 7 and 12, township 54, ranges 20 and 21, west of the 4th meridian. Levelling and grading road.

Between sections 8 and 17, township 54, range 21, west of the 4th meridian. Filling low places.

Between sections 23 and 24, township 54, range 21, west of the 4th meridian. Repairing and grading.

Between sections 16 and 17, township 54, range 21, west of the 4th meridian. Grading and filling.

Between sections 21 and 28, township 54, range 20, west of the 4th meridian. Improvements.

Between sections 7 and 12, township 55, ranges 20 and 21, west of the 4th meridian. Repairs and grading.

Between sections 20 and 21, 16 and 17, township 56, range 16, west of the 4th meridian. Grading and clearing road.

On range line through townships 57 and 58, ranges 18 and 19, west of the 4th meridian. Improvements.

Between sections 20 and 21, township 56, range 18, west of the 4th meridian. Grading and filling.

Between sections 31 and 36, 25 and 30, township 57, ranges 19 and 20, west of the 4th meridian. Levelling and filling.

Between sections 23 and 26, 24 and 25, township 55, range 19, west of the 4th meridian. Grading and clearing.

Between sections 22 and 27, township 55, range 21, west of the 4th meridian. Improvements.

Between sections 22 and 23, 26 and 27, 34 and 35, township 56, range 20, west of the 4th meridian. Grading and filling.

Between sections 1 and 36, 2 and 35, townships 55 and 56, range 21, west of the 4th meridian. Levelling road and grading.

Between sections 1 and 36, 2 and 35, townships 43 and 44, range 22, west of the 4th meridian. Grading and improvements.

Between townships 46 and 47, range 22, west of the 4th meridian, west of Bittern Lake. Culverts, grading and fixing.

Chesterwold to Falun, township 45, range 27, west of the 4th meridian. Improvements.

Between sections 15 and 22, 21 and 28, township 46, range 24, west of the 4th meridian. Culverts and improvements.

Between sections 7 and 12, township 47, ranges 23 and 24, west of the 4th meridian. Grading and improvements.

North of Pigeon Lake Road, township 47, ranges 24 and 25, west of the 4th meridian. Culverts and levelling.

South of Wetaskiwin. Grading and improvements.

Between sections 34 and 35, township 45, range 26, west of the 4th meridian. Grading and fixing.

Between sections 11 and 14, township 45, range 28, west of the 4th meridian. Grading and levelling.

Between sections 11 and 12, 1 and 2, township 47, range 27, west of the 4th meridian. Levelling and grading.

Between sections 21 and 22, township 46, range 24, west of the 4th meridian. Culvert, grading and fixing.

Between sections 26 and 27, township 46, range 22, west of the 4th meridian. Improvements and grading.

Between sections 19 and 22, township 46, range 25, west of the 4th meridian. Culverts, corduroying and grubbing.

Between sections 18 and 17, 29 and 30, township 45, range 27, west of the 4th meridian Grading and culverts.

Between sections 7 and 18, 12 and 13, township 47, range 25, west of the 4th meridian. Improving and grading.

North of Battle Lake, township 46, range 2, west of the 5th meridian Culverts and grading.

Bonnie Glen to Fisherhome. Grading and improving.

Battle Lake to Blindman River Improving and grading

South of sections 1, 2, 3 and 4, township 46, range 28, west of the 4th meridian. Culverts and grading.

Through sections 1, 2 and 11, township 47, range 23, west of the 4th meridian. Grading and improvements

Between sections 26 and 35, township 43, range 26, west of the 4th meridian. Grading.

South of sections 28, 29 and 30, township 47, range 23, west of the 4th meridian. Improving and grading

North of sections 1 and 2, township 46, range 2, west of the 5th meridian Grading and improving

Between sections 4 and 5, township 46, range 25, west of the 4th meridian. Culverts and grading.

FERRIES

The following is a list of ferries operated during the year, which number 35. Seven new ferries were installed The ferry over the Pembina River west of Wabamun was moved on to a point on the river, locally known as Hoods Crossing, where it would accommodate a large number of settlers On completion of bridge over the Belly River at Taber, ferry formerly operated at this point was moved down and operated north of Purple Springs

In view of the large influx of population in the various portions of the province, and the fact that it is impossible with the funds at our command, to construct all large bridges required, we are endeavoring so far as possible to meet the traffic demands by installing ferries as a first means of meeting the requirements

FERRIES OPERATED DURING THE SEASON OF 1910

1. North Saskatchewan River at Brosseau
2. Red Deer River at Steerford
3. North Saskatchewan River at Desjarlais.
4. Athabasca River at Holmes Crossing, on the Edmonton-Peace River Road.
5. Bow River, near South Mission School, Indian Reserve
6. Red Deer River, north of Gleichen
7. Oldman River near Summerview, section 16-7-29-4.
8. North Saskatchewan River at Pakan
9. North Saskatchewan River at Big Island, north of section 20-51-25-4.
10. Red Deer River, section 27-34-4-5
11. North Saskatchewan River between Onion Lake and Lloydminster.
12. Pembina River, township 58-3-5
13. Athabasca River at Athabasca Landing
14. Big Red Deer River, east of Olds
15. Pembina River, section 10-60-1-5.
16. North Saskatchewan River at Shandro
17. Red Deer River at Fieldholme.
18. North Saskatchewan River at Rocky Mountain House.

19. Narrows of Lac Ste. Anne.
20. North Saskatchewan River, north of Lamont.
21. Pembina River, near Sunnibend, section 10-61-27-4.
22. Pembina River, section 26-56-7-5.
23. Bow River, south of Strathmore.
24. South Saskatchewan River at Bow Island.
25. Pembina River, west of Wabamun.
26. Belly River, north of Coaldale.
27. Bow River, south of Brooks.
28. Bow River, south of Bassano, section 14-19-18-4.
29. Pembina River, sections 1/36-58/59-3-5.
30. Peace River at Peace River Landing.
31. Red Deer River, north of Brooks, section 4-22-12-4.
32. North Saskatchewan River, section 15-56-7-4.
33. Red Deer River at Carbon.
34. Peace River at Dunvegan.
35. Saskatchewan River, north of Kitseoty.

FERRIES MOVED TO DIFFERENT POINTS DURING THE SEASON OF 1910.

1. Ferry over the Pembina River, west of Wabamun to a point over the Pembina River at Hood's Crossing.
2. Ferry over the Belly River at Taber to a point across Belly River north of Purple Springs, township 11-14/15-4.

FERRIES INSTALLED DURING THE SEASON OF 1910

1. North Saskatchewan River at Desjarlais.
2. Pembina River near Sunnibend, section 10-61-27-4.
3. Pembina River, between sections 1/36-58/59-3-5.
4. Bow River, south of Bassano, section 14-19-18-4.
5. Belly River, north of Coaldale.
6. Red Deer River, north of Brooks, section 4-22-12-4.
7. North Saskatchewan River between Onion Lake and Lloydminster.

FIREGUARDS

The following statement shows that 306 miles of fireguard were ploughed during the year, as against 485 last year, but in view of the rapid development of the country several guards ploughed heretofore were abandoned this year, cultivated land and improved roads being ample protection.

	MILES
Reploughing fireguard from Howell Station on the Canadian Pacific Railway, north-easterly to the Saskatchewan River	13
Ploughing fireguard starting from the Saskatchewan River, township 12-8-4, south to the railway track one mile west of Whitley Station on the Crow's Nest Pass Railway	9½
Reploughing fireguard commencing in section 12-8-2-4 in a south-easterly direction	10
Reploughing fireguard running north from Irvine between ranges 2 and 3	12
Reploughing fireguard starting from the Saskatchewan River in range 5, between townships 13 and 14, across ranges 4, 3 and 2, connecting into Many Island Lake	19
Reploughing fireguard from Howell Station on the C.P.R. south to the Saskatchewan River, following the line between ranges 7 and 8, townships 12, 13 and 14, west of the 4th meridian	8½

Ploughing fireguard on the north side of the Red Deer River starting on range 1, running west on township 23, thence south to Red Deer River	46
Ploughing fireguard commencing at the north boundary of township 13, running north of the line between ranges 1 and 2, to the Saskatchewan River, west of the 4th meridian	36
Reploughing fireguard starting at a point west of Carlstadt Station, main line of the Canadian Pacific Railway between ranges 10 and 11, north to Dead Lodge Canyon on the Red Deer River	33
Ploughing fireguard from the north-west corner of section 10-1-3-4, east to range line between ranges 1 and 2, thence north to the north-east corner of section 36-1-2-4, thence east to the south-east corner of section 4-2-1-4, thence north to the north-west corner of section 3-4-1-4	28
Breaking fireguard running through townships 15, 16 and 17, between ranges 18 and 19, west of the 4th meridian	18
Breaking fireguard between townships 17 and 18, ranges 18, 19 and 20, and part of 21, west of the 4th meridian	21
Ploughing fireguard along the east side of Stony Indian Reserve along sections 6 and 7, township 26-5-5 and sections 32/29-25-5-5	4
Ploughing fireguard along the township line between townships 5 and 6, beginning at the west side of range 12, and running east to the south-west corner of section 4-6-8-4, from there north two miles to the north-west corner of section 9, from there east four miles to the north-east corner of section 12, from there south two miles to the township line, from there east along this line to a point two miles east of the range line between ranges 5 and 6, west of the 4th meridian	48
	306

WELL BORING

As stated in our report last year, the water supply in the province is, generally speaking, good. There are, however, portions of the south and south-eastern part of the province where settlers are experiencing difficulty in obtaining an adequate supply of water. It was never intended that the department should go into the well boring business, but by way of assistance sink test holes in these localities to determine if water available, and at what depth.

In addition to the following list of wells, which give a good idea of the work done in this direction, a number of private wells were drilled where settlers were prepared to meet all expenses, the machine being supplied free by the department:

LOCATION	DEPTH FT.	WATER
Well between sections 3/34-29/30-22-1	306	Fair supply
Well in section 18-5-15-4	195	Good supply
Well in section 30-28-10-4	175	Good supply
Well between sections 11/12, 13/14-12-21-4	232	Fair supply
Well in section 17-15-20-4	215	Fair supply
Well in section 23-27-11-4.	150	No water
Well in section 2-28-11-4.	148	No water
Well in section 4-27-11-4	152	No water

ARCHITECTURAL BRANCH

Staff

{ Architect.
{ Seven draftsmen
{ Two stenographers.
{ Messenger.

During the year the Architectural Branch, working together with the Structural Branch of this department, has made working drawings and details, specifications and estimates in connection with the work under construction and uncompleted at the end of the year, 1909, viz : Parliament Buildings and Court House, Edmonton; Hospital for the Acute Insane at Ponoka; Court House and Jail at Lethbridge

In addition to the above this force prepared the following drawings:

Drawings for new work which has been started and completed during the year, viz : Telephone Substation (West End) and addition to Telephone Exchange, Calgary.

Drawings for new work which has been started, but remains uncompleted at the first of the year 1911, are as follows: Dormitory for the University of Alberta at Stratheona; Power House at Ponoka; Power House at Lethbridge

For a full report as to the progress of construction on the buildings under construction during the year, see "Building Construction," on page 37

For a full report of all buildings under construction at the close of 1909, as to their general description, dimensions, construction, appearance and uses, see Annual Reports of the Department of Public Works for 1908 and 1909

THE PARLIAMENT BUILDING, EDMONTON.

The drafting work in connection with the Parliament Building consisted of making scale and full size details of stone work and carving in the external walls, together with the necessary drawings and schedules required for the quarrying and cutting of the various stones and the setting of same in the work up to the base of the central dome, also, details of terra cotta dome and roof coverings and details of ceiling construction.

COURT HOUSE BUILDING, EDMONTON.

The drafting work in connection with this building consisted of making working drawings and full size details of stone work in the external walls, together with the necessary drawings and schedules required for the quarrying and cutting and the setting of same in the work, also scale and full size details of the interior stairs

HOSPITAL FOR THE ACUTE INSANE, PONOKA

The drafting work in connection with this building consisted of completing the detail drawings necessary to get out the interior plaster and wood finishes the fireproof stairs and the plumbing, heating and ventilating work

COURT HOUSE BUILDING, LETHBRIDGE.

The drafting work in connection with this building consisted of completing the details of the ornamental plaster work and the furniture in the court room.

JAIL BUILDING, LETHBRIDGE

The drafting work in connection with this building consisted of completing details for the main cornice, doors, plumbing, heating and ventilating work.

TELEPHONE SUBSTATION, CALGARY.

The West End Telephone Substation at Calgary is a duplicate of the substation built in East Calgary during the year 1909. This building is located on Lot 28, Block 93, Plan No. 1 of the City of Calgary

TELEPHONE EXCHANGE CALGARY

The drafting work in connection with this building consisted of a general floor plan and sections showing new steel construction necessary to strengthen the old wood construction for the purpose of building an additional story on the old building to accommodate the installation of a central automatic exchange

DORMITORY BUILDING, STRATHCONA.

The Dormitory Building, Strathcona, for the University of Alberta is of concrete foundation and basement walls with superstructure walls of brick and wood construction; the floors are of wood construction, the finish is of wood and plaster.

The drawings for this building were started in April and with but a few exceptions were completed in December during the progress of construction of the building, which was carried on by day labour under the direct supervision of the department

This building is designed to be the central one of three dormitories, and is located on the centre line of the general building group of the University, being situated 1,200 feet west of the eastern boundary of the University property.

It is U shaped in plan, and in height consists of three stories and a full basement with a one-storey dining-room and a two-storey kitchen building attached in the rear. It occupies a space of ground 118 feet wide by 206 feet long.

The building has been so planned that a portion of it will be used for temporary class rooms

POWER HOUSE, PONOKA

In order to minimize the fire risk a separate power house building of pressed brick with stone trimmings, 72 feet wide by 84 feet long, was erected, containing space for four boilers and coal storage, engine room and washing and ironing rooms for laundry purposes. This structure is connected to the main building by a tunnel, in which are located the piping mains which supply the various utilities in the main building

The drawings for this building were started in April and completed in November.

POWER HOUSE LETHBRIDGE

In order to minimize the fire risk, a separate power house building of pressed brick with stone trimmings, 51 feet wide by 76 feet long, was erected, containing space for four boilers and coal storage, engine room and washing and ironing rooms for laundry purposes. This structure is connected to the main building by a tunnel, in which are located the piping mains which supply the various utilities in the main building.

The drawings for this building were started in June and completed in December.

A. M. JEFFERS,
Architect.

BUILDING CONSTRUCTION

SIR,—I have the honour to report during the past year the continuance of work incomplete at the end of 1909 and the commencement of and completion of certain new work carried on under your instructions during the past season.

The several works may be resumed as follows:

Steel bridge to replace the old wood structure known as the Langevin bridge across the Bow River in the city of Calgary.

The piers and abutments for this bridge were completed in April, and it was deemed not advisable to erect the steel until after the high water of the summer season.

The falsework was driven and erection of steel work commenced in August and the work continuously prosecuted to completion; the entire structure was finished and opened for traffic in November.

This bridge consists of two spans each 185 feet in length, with a clear roadway of 30 feet with sidewalks on each side 6 feet in width. The floor of the sidewalks is 3 inch plank, while that of the roadway is concrete covered with wood block pavement. The bridge is crossed by two lines of electric car tracks, and is designed to safely carry a loaded car of 90 tons propelled by a motor car.

PARLIAMENT BUILDINGS.

Masonry work was energetically continued throughout the season and cut stone set as fast as received. When this part of the work closed for the winter about two-thirds of the entire stone work was completed, so that with an early start next spring and no delay for stone the entire stone work should be finished next year.

A temporary wood roof was placed over the south wing, so that concrete work on floors might be carried on through the winter.

ASYLUM, PONOKA.

Work was carried on throughout the winter and plastering commenced in the early part of the summer, and is now well on towards completion.

A power house was erected during the summer, part of which building is set apart for laundry purposes. The power house proper consists of a building 84 feet in length with a width of 52 feet, to the rear of which is added a brick coal bunker having a capacity of 100 tons. A brick stack 112 feet in height and of suitable size for 600 boiler horse power adjoins the power house.

The power house and main building are connected by a tunnel 100 feet in length, 6 feet wide and 8 feet high. This tunnel—mostly above ground—forms a direct passage between the laundry and main buildings, and also serves as a gallery for all steam and water mains.

During the season contracts were awarded for electric wiring, plumbing, heating and mechanical equipment for the institution, also contracts for boilers, engines and dynamos.

The power plant consists of two 150 horse power tubular boilers with provision for adding further units when required; one 200 and one 75 horse power vertical high speed engines, each directly connected to a 125 and a 50 K W direct current dynamo. In addition there are a 500 gallon per minute underwriters' fire pump, vacuum pump, feed pumps, etc., and a complete steam laundry equipment.

A water tower with a tank of 80,000 gallons capacity at a height of 130 feet was erected 300 feet east of the power house to hold a reserve supply for the institution and afford adequate fire protection.

The water supply is secured from a well located in the boiler room, bored to a depth of 200 feet, from which the water is lifted into the tower by a deep well steam pump.

To treat the sewerage before it is discharged into a stream, and about half a mile from the institution buildings was constructed of concrete a series of live earth beds, the whole covered with a neat frame building.

On account of the unsatisfactory nature of the subsoil all the above structures, with the exception of the live earth beds, rest on pile foundations driven to a depth of 25 feet below the surface.

PROVINCIAL JAIL, LETHBRIDGE

Brick work was commenced on this building early in the spring, progressed steadily through the summer and is now practically complete.

One hundred feet to the south and at the rear of the main building was erected a power house 76 feet in length by 51 feet in width, enclosing boiler room, engine room, laundry and coal storage. At the side of the boiler room is erected a brick stack 65 feet in height and of size suitable to care for 500 boiler horse power.

The power house and main building are connected with an underground tunnel 100 feet in length, inside size, height 6½ feet, width 5 feet, which provides direct access between the laundry and main building, and also contains the steam, water and electric light mains for the building.

Contracts were awarded during the season for plumbing, heating, mechanical equipment, electric wiring, engines, dynamos, etc., and the work is now being installed.

The power plant consists of two 125 horse power return tubular boilers, one 90 and one 55 horse power vertical high speed engines, directly connected to 60 and 35 K W direct current dynamos; also one 500 gallon per minute underwriters' fire pump, vacuum pump, feed pumps, heaters, and steam laundry equipment.

Three hundred feet south of the power house was erected a steel water tower, supporting a tank of 80,000 gallons capacity to hold a reserve supply of water and afford suitable fire protection.

A concrete lined well, 16 feet in diameter and 23 feet deep, was built adjacent to the engine room. Water drains into this well by gravity from a pond through 700 feet of pipe. From this well the water is pumped into the water tower, first passing through a Candy filter of 2,000 gallons per hour capacity, located in the boiler room.

A complete system of sewers and water mains was also constructed in connection with the institution, and consists of 2,100 feet of sewer and 1,860 feet of 6 inch cast iron water main. For external fire service there are installed over the 6 inch mains two two-nozzle standard fire hydrants fitted for 2½ inch hose.

A series of live earth beds was constructed, similar to those for the Asylum at Ponoka, to treat the sewerage before it is discharged, the only difference being that at Ponoka advantage was taken of a side hill to secure a gravity discharge, while at Lethbridge, owing to the flat character of the location, the sewerage effluent is pumped with an electric pump and discharged on the land.

DORMITORY BUILDING FOR THE UNIVERSITY OF ALBERTA, STRATHCONA.

The excavation for this building was started as soon as the frost was out of the ground and immediately followed by the concrete foundations. Brick work was commenced the first week in May and prosecuted continuously to completion. The building was roofed in early in December and considerable plaster work is now done.

The building is 206 feet in length and has a maximum width of 118 feet, and is practically four stories in height, as the basement, to be used as class rooms, is largely above ground.

Contracts were awarded for the necessary plumbing and heating, which work is now under way and should it be required, the north wing may be used for teaching purposes at the opening of the January session.

Sewer and water connection was made from the city system on Eighth Street West, which work consisted of 1,800 feet of 10 and 6 inch sewer and 2,000 feet of 6 inch cast iron water main. Two standard two-way fire hydrants were erected, one opposite each end of the building, to afford adequate fire protection.

COURT HOUSE, LETHBRIDGE

Work on this building has progressed steadily throughout the summer, is now practically completed, and the building should be ready for use by the end of January.

COURT HOUSE, EDMONTON.

The masonry work on this building has progressed slowly during the past year, principally owing to the difficulty on the part of the contractors to secure stone. The exterior work is now well advanced, and it is expected the entire stone work will be complete early this year, after which rapid progress should be made on the interior.

CENTRAL TELEPHONE EXCHANGE, CALGARY.

Owing to the crowded condition of the building and the changing from the central energy system to automatic telephones, it was neces-

sary to have more room for apparatus, etc. It was therefore decided to add an additional story to the present building, making it a three story structure. This work was completed early in the autumn. In order to reinforce the existing walls, steel columns were inserted, relieving the floor loads from the walls and transferring them directly to the foundations.

TELEPHONE SUBSTATION, CALGARY

Owing to the rapid extension of telephone service in the west end of the city and to relieve congestion at the central station, a substation was erected on 14th Avenue West between 9th and 10th Streets

This building is one story in height with basement, and covers a space of 23 feet by 34 feet. It is of solid brick with metal roof. Inside of the outer walls is constructed a second chamber with a space of 18 inches clear to the outside walls and reinforced concrete ceiling, thus making the room for the instruments fire and damp proof.

This work was successfully completed early in the season and immediately put into service

All the above mentioned bridges and buildings, with the exception of the Court Houses at Lethbridge and Edmonton, have been erected by day labour under the direct supervision of the Department of Public Works.

Respectfully submitted,

J CHALMERS,

Structural Engineer

SURVEYS BRANCH

EDMONTON, December 31, 1910.

JOHN STOCKS, Esq.,
Deputy Minister of Public Works,
 Edmonton, Alta.

SIR,—I have the honour to report as follows, regarding the work of the Surveys Branch of the Department of Public Works for the year 1910.

As might be expected the work increases each year, and an examination of the summary of the work given below and comparison with previous years will show that to keep pace with the demand it is necessary to increase the field staff

The season was favourable for outside work, and the fact that there was no severe weather until near the close of the year enabled some of our parties to remain in the field longer than is usual.

Mr. Jno Empey, D.L.S., who had been in charge of the Calgary District, resigned early in the year, and Mr. P. N. Johnson, D.L.S., was appointed District Surveyor and Engineer in his place with headquarters at Calgary.

The work this season was extended farther in the north part of the province than ever before, and Mr. A. P. C. Belyea, D.L.S., spent the whole season in the surveying of main trails from Athabasca Landing through to Peace River Crossing. Mr. Belyea also had supervision over the road improvement work in that district.

The work in the district around Edmonton was carried on under my own supervision.

The appointment of Mr. Johnson to the Calgary District left the position of Drainage Engineer vacant, and Mr. J. D. Robertson was appointed to that position. His report together with that of the various district surveyors and engineers are given below.

The following is a summary of the work done:

Surveys required brought forward from 1909	451
Surveys asked for during 1910	678
Number of surveys and examinations made	461
Number of surveys found to be unnecessary upon examination.	60
Number of surveys made by district surveyors without instructions	51
Number of surveys not completed and carried forward to 1911 list	625
Plans prepared and filed in the land titles offices	367
Certificates of Title received for roads	343
Certificates of Title received for building sites	5
Transfers of land received for roads	6
Transfers issued covering roads no longer required	159
Amount paid as compensation for right-of-way, etc	\$21,772 68

LEASE OF ROAD ALLOWANCES.

Number of new applications for lease of road allowances.	64
Number of applications granted	39
Number of applications refused	30
Number of leases issued during year 1909 including free leases issued as compensation for surveyed roads	39
Amount received as rental for leased roadways	\$398

I have the honour to be, Sir,

Your obedient servant,

L. C. CHARLESWORTH,
Director of Survey.

December 31, 1910.

L. C. CHARLESWORTH, Esq.,
Director of Surveys,
Edmonton, Alta.

SIR,—I beg to submit the following report in connection with road surveys made by me during the season of 1910:

I organized my party at Edmonton and reached Athabasca Landing on May 6th, from which point I started my survey to Lesser Slave Lake.

My work consisted chiefly of surveys of old trails which have been partially improved in the manner of a right-of-way having been cleared. Owing to these trails being so crooked, it necessarily delayed the work considerably on account of the large amount of pit digging to be done since my survey in general follows the old trail except as in such cases where I was enabled to find a better location for a road.

On account of overseeing the roadwork done throughout this district, it was necessary for me to be absent from my party during a considerable part of the time

I disbanded my party at Edmonton on December 9th

The total distance of surveys I made of the different trails is about one hundred and fifty miles, and I attach hereto a list showing the location of same.

Your obedient servant,

A. P. C. BELYEA,

District Surveyor and Engineer.

LOCATION OF SURVEYS.

Sections 35, 34 and 27, River Lots 8 to 1, township 66, range 22, west of the 4th Athabasca Landing to north boundary of township 69, range 23, west of the 4th Fifth meridian to Sawridge.
Indian Reserve No. 150A to East Prairie River.
Grouard to Narrows Bridge.
Grouard to Heart River Settlement.
Heart River Settlement to Peace River Crossing.

LETHBRIDGE, ALTA., December 8, 1910

JOHN STOCKS, ESQ.,
Deputy Minister of Public Works,
Edmonton, Alta.

SIR, —I have the honour to submit the following report respecting the work done by myself and party in the Public Works Surveys Branch of South Alberta during the season of 1910

The winter months, as usual, were spent in the preparation of plans and field notes of surveys made the previous year

I sent my party into the field on the 12th of April, and commenced surveys in township 5, ranges 20 and 21, west of the 4th meridian. I worked easterly into range 17, and then northerly across the Belly River in township 10, range 20, west of the 4th meridian, to the Little Bow River in townships 11 and 12, range 19, west of the 4th meridian. I turned westerly at this point, and cleared up all necessary surveys through townships 11, 12 and 13, ranges 21, 22, 23 and 24. I then moved to township 8, ranges 25 and 26, and made a number of diversion surveys. From here I moved to the south Fork River in township 6, and took up the work where I had left it on the 17th of December, 1909. After completing the South Fork Road survey, I worked south making surveys up the valleys of Mill Creek and Beaver Creek in townships 5 and 6, range 2, west of the 5th meridian.

My party is now in the vicinity of Mountain Hill, and will likely remain in the field until near Christmas.

Owing to the rapidity with which the country is being settled, I find the requirements for surveys and road work advancing in a marked degree. On this account, I have been obliged to spend very little time with my party; examinations and office work required nearly all of my time.

Below is a list of surveys and examinations:

NEW SURVEYS

Survey of road through sections 26, 34 and 35 to the new ferry on Belly River.
 Survey along the Blind Line north of sections 3, 4 and 5, township 11, range 19, west of the 4th
 Survey in sections 10, 11, 14 and 15, township 11, range 19, west of the 4th, to the steel bridge over Little Bow River.
 Survey in sections 19 and 30, township 12, range 19, west of the 4th, to the steel bridge over Little Bow River.
 Survey along the Blind Line north of section 28, township 12, range 18, west of the 4th.
 Survey through sections 30 and 31, township 10, range 24, west of the 4th, to give access to Old Man River
 Survey up the South Fork River from section 25, township 6, range 2, west of the 5th, to section 12, township 6, range 4, west of the 5th.
 Survey up the valley of Mill Creek from N. By. of section 12, township 6, range 2, west of the 5th, to section 23, township 5, range 2, west of the 5th.
 Survey of road up Beaver Creek in township 6, range 2, west of the 5th, to the saw mill.
 Survey through the east half of section 34 and the north-west quarter of section 35, township 11, range 28, west of the 4th

DIVERSIONS.

Survey into sections 11 and 12, township 5, range 21, west of the 4th, and sections 18 and 19, township 5, range 20, west of the 4th, to give better grades.
 Survey into sections 20 and 29, township 5, range 20, west of the 4th, and section 5, township 6, range 20, west of the 4th, to give better grades.
 Survey into sections 16, 17 and 29, township 5, range 21, west of the 4th, to give better grades.
 Survey into the south half of section 5, township 6, range 21, west of the 4th, to bridge site on Nine Mile Coulee
 Survey into south-west quarter of section 13, township 6, range 19, west of the 4th, to give better grade up the bank of coulee.
 Survey into sections 19, 29 and 30, township 6, range 17, west of the 4th, to give better grade up the banks of Etzikom Coulee.
 Survey around a bend of Etzikom Coulee in the north-east quarter of section 31, township 6, range 18, west of the 4th.
 Survey into the south-west quarter of section 5, and south-east quarter of section 6, township 11, range 19, west of the 4th, to give better grades across coulees
 Survey of diversions into sections 7 and 12, township 12, ranges 22 and 23, west of the 4th, to get around slough and past coulees
 Survey into south-east quarter of section 25, township 12, range 23, west of the 4th, to give better grades
 Survey into sections 31 and 36, township 11, ranges 21 and 22, west of the 4th, to give better grades up the banks of coulee, and hills on the road allowance.
 Survey into north-east quarter of section 11, township 11, range 22, west of the 4th, to give grades up the banks of coulee.
 Survey into the south-west quarter of section 5, township 14, range 22, west of the 4th, to give suitable grade up hill.
 Survey between sections 20 and 21, 28 and 29, township 8, range 25, west of the 4th, to give better grades up hills.
 Survey into sections 5, 8 and 9, township 8, range 26, west of the 4th, around lake and to give better grades.
 Survey into north-east quarter of section 11 and north-west quarter of section 12, township 8, range 26, west of the 4th, to give better grades.
 Survey into the west half of section 27, township 6, range 2, west of the 5th, to give road to ford on South Fork River
 Survey into Legal Subdivisions 9 and 16, section 20, township 8, range 20, west of the 4th, to get around a lake on the road allowance
 Survey of diversion into south-east quarter of section 3, township 6, range 19, west of the 4th, to bridge over Etzikom Coulee.

CHANGES IN SURVEYS.

Survey changed in section 3, township 7, range 2, west of the 5th, to avoid cutting property.
 Survey changed in section 23, township 8, range 1, west of the 5th, to include the bridge which was placed off the road

Survey changed at south end of steel bridge over the Old Man River to include the approach, in section 35, township 7, range 1, west of the 5th.

Survey changed at Taber steel bridge in section 18, township 10, range 16, west of the 4th.

Survey changed through sections 31 and 32, township 5, range 28, west of the 4th, and section 36, township 5, range 29, west of the 4th, to avoid cutting property.

Survey changed through sections 21 and 22, township 6, range 30, west of the 4th, to avoid deep snow.

Survey changed through section 2, township 9, range 22, west of the 4th, to include changes in the road.

Survey changed through section 36, township 2, range 26, west of the 4th, on to more suitable ground.

SURVEYS CHECKED.

Survey from eastern boundary of section 23, township 3, range 25, west of the 4th, across the Blood Indian Reserve to Cardston.

Survey through the south-west quarter of section 31, township 7, range 1, west of the 5th.

Survey in sections 15 and 22, township 9, range 1, west of the 5th.

Survey through sections 13 and 24, township 6, range 2, west of the 5th.

EXAMINATIONS.

Examination to determine the advisability of closing the road allowances between sections 1 and 2, 11 and 12, 12 and 13, 24 and 25, and 3 and 4, 9 and 10, 9 and 16, and 15 and 16, township 7, range 1, west of the 5th.

Examination of proposed road diversion into sections 11 and 23, townships 10 and 9, range 13, west of the 4th.

Examination of proposed road running east from Warner in township 4, ranges 16 and 17, west of the 4th.

Examination and report on the advisability of closing the old Calgary-Macleod Trail in the south-west quarter of section 7, township 11, range 26, west of the 4th.

Examination and report on the old trail supposed to run through section 20, township 7, range 21, west of the 4th.

Examination and report on proposed diversions into sections 31 and 36, township 12, ranges 21 and 22, west of the 4th.

Examination and report respecting the establishing of road across the Blood Indian Reserve between Cardston and the Cochrane Ranch.

Examination and location of site for ferry and road to the same in sections 26 and 34, township 10, range 20, west of the 4th.

Examination and location of road across coulee in the south-east quarter of section 8, township 2, range 25, west of the 4th.

Examination and location of grades for road in the south-west quarter of section 5, township 11, range 19, west of the 4th.

Examination and location of grades for change of road diversion in the north-west quarter of section 10, township 5, range 22, west of the 4th.

Examination and report on the proposed closing of the old Lethbridge-Macleod Trail through township 9, ranges 22 and 23, west of the 4th.

Examination and location of road diversions in township 11, ranges 21 and 22, west of the 4th.

Examination and report as to whether the change in the surveyed road in the south-west quarter of section 29, township 7, range 3, west of the 5th, should be changed.

Examination and report on the advisability of closing the road allowance between sections 32 and 33, township 8, range 21, west of the 4th, to the City of Lethbridge for park purposes.

Examination and report as to the opening of the railway crossing on the road allowance between sections 35 and 36, township 10, range 11, west of the 4th.

Examination and report on the proposed road up the South Fork River to the Head Syndicate property.

Examination and report respecting the closing of certain streets in the Town-site of Stirling.

Examination and report as to whether the new road in section 25, township 6, range 2, west of the 5th, has been put in shape for traffic.

Examination and report as to whether surveyed road in south-east quarter of section 17, township 6, range 1, west of the 5th, should be closed.

Examination and report that grades had been staked across Scott's Coulee in north-east quarter of section 34, township 5, range 27, west of the 4th.

Examination and report as to the lease of road allowance on west boundary of section 4, township 6, range 26, west of the 4th.

Examination and report re location of new road through sections 4, 5, 6, 7 and 18, township 7, range 26, west of the 4th.

Examination and report respecting establishing a new road through sections 3 and 10, township 3, range 24, west of the 4th.

Examination and report respecting the closing of certain portions of the road allowances north and east of section 35, township 8, range 22, west of the 4th, to the C.P.R.

Examination and report as to disposing of a portion of the road allowance adjoining the east boundary of section 6, township 10, range 21, west of the 4th, to the Diamond City Coal Co.

Examination and report on width of road allowance at the correction line north of township 10, in ranges 19 and 21, west of the 4th.

Examination and report as to the advisability of closing by lease to Mr. John Thomas, the road allowance between sections 8 and 9, township 10, range 21, west of the 4th

Examination and report respecting proposed diversions between sections 8 and 9, township 7, range 1, west of the 5th.

Examination and report as to closing the surveyed road through the south-west quarter of section 15, township 9, range 26, west of the 4th.

Examination and report as to the advisability of opening a road through sections 2 and 11, township 9, range 27, west of the 4th.

Examination and location of grades to a bridge site on Pot Hole Coulee in section 7, township 6, range 21, west of the 4th.

Examination and report as to the change asked for in section 23, township 8, range 30, west of the 4th

Examination and report as to a change asked for in the surveyed road in sections 9 and 10, township 12, range 28, west of the 4th.

Examination and report as to establishing private road to connect south-west quarter of section 6, township 11, range 28, west of the 4th, with the Meadow Creek Road

Examination and report as to a change of the surveyed road through sections 16 and 21, township 3, range 29, west of the 4th.

Examination and report as to the advisability of changing surveyed road in section 10, township 4, range 30, west of the 4th.

Examination and report on proposed diversion into the north-west quarter of section 7, township 4, range 29, west of the 4th.

Examination and report as to the advisability of opening road along the Blind line north of sections 27, 28 and 29, township 4, range 29, west of the 4th.

Examination and report improvement needed between sections 16 and 17, township 6, range 1, west of the 5th.

Examination and report re diversion required in section 14, township 2, range 25, west of the 4th

Examination and report as to opening road on Blind line east from New Dayton through township 5, ranges 17 and 18, west of the 4th.

Examination and report on new road and grade in section 35, township 4, range 17, west of the 4th.

Examination and report on road to Six Mile Coulee Bridge in section 16, township 8, range 21, west of the 4th.

Examination and report as to compensation for diversion into the south-west quarter of section 14, township 8, range 21, west of the 4th.

Examination and location of diversion and bridge site on Tennessee Coulee in the south-east quarter of section 26, township 8, range 30, west of the 4th.

Examination of road allowance between sections 3 and 4, 9 and 10, township 6, range 21, west of the 4th, and bridge site on canal.

Examination of proposed diversions into sections 9 and 16, township 5, range 20, west of the 4th

Examination and report and cross-section of Kootenay Brook at bridge site in the north-east quarter of section 30, township 6, range 2, west of the 5th.

Examination of diversion between sections 1 and 6, 7 and 12, township 5, ranges 29 and 30, west of the 4th.

Examination and location of grades for road foremen in the north-west quarter of section 10, township 1, range 25, west of the 4th.

Examination and report on the necessity of road diversions in sections 31, 35 and 36, townships 1, ranges 23 and 24, west of the 4th.

Your obedient servant,

R. C. GORDON,
District Surveyor and Engineer.

VEGREVILLE, December 31, 1910

JNO STOCKS, Esq.,
Deputy Minister of Public Works.
 Edmonton, Alta

SIR,—I have the honour to submit the following report of the surveys made and of the other work done in the Public Works District of Vegreville during the past season

The first part of the year was spent in preparing and completing the returns and plans of the previous season's work

On April 20 I organized my party and went into camp at Vegreville, and after inspecting several jobs along the railway, moved to Clarkville. Here I did considerable work, after which I moved east along the telegraph line to Dog Rump Creek and cleaned up all the work in that locality.

I then proceeded on to Shandro Crossing, and in this vicinity considerable work was done, after which I crossed the Saskatchewan River and made all the required surveys along the east slope of the Beaver Hills down to near Camrose. From here I moved north-easterly to the Grand Trunk Pacific Railway and worked easterly along same to Viking. I then moved my outfit down into the Hardisty country and cleaned up considerable work which had accumulated here and through the Wainwright District, after which I returned to my own district and worked north-easterly through the same to the south side of the Saskatchewan River on the 4th meridian. I then worked westerly along and out from the Canadian Northern Railway as far as Ranfurly. From here I worked through north to Desjarlais Crossing to join with work I had done earlier in the season.

This completed the present work in my district, and I closed up field operations and paid off my men at Vegreville on November 12th

The following is a list of the work done which consists of the survey of road diversions, new roads, re-surveys, drains, and the examination and reports of roads, etc

NEW ROADS.

New road north of sections 2, 3 and 4, and through the centres of sections 5/6-51-8-4
 New road south of section 34 and through sections 32/33-53-12-4
 New road north of the south half of section 8-51-11-4
 New road through centres of sections 13/14-51-12-4, and section 18-51-11-4.
 New road into section 22-51-5-4.
 New road north of sections 26, 28, 29 and 30, and through section 27-47-2-4.
 New road south of section 31-51-3-4
 New road west of the south-east quarter, and south of the north-east quarter of section 28-51-6-4
 New road south of sections 11/12-50-6-4
 New road south of section 24-47-6-4
 New road through the south half of section 4-47-6-4
 New road through section 2-46-6-4
 New road south of section 11-45-7-4
 New road through sections 18/19-45-8-4
 New road through sections 11/12-43-10-4
 New road north of section 17-47-12-4.
 New road along parts of north of sections 4/5-48-15-4
 New road north of section 26-48-5-4
 New road north of sections 15/16-55-19-4.
 New road north of section 32-57-10-4.
 New road east of section 31-57-10-4
 New road through sections 1, 2/3-57-7-4
 New road through sections 5/6-57-6-4.
 New road north of section 17-59-10-4.

New road north of sections 2, 3/4-53-10-4.
 New road north of the south half of section 24-59-11-4.
 New road north of sections 29/30-56-6-4.
 New road north of sections 27/28-56-7-4.
 New road north of sections 5/6-49-19-4
 New road north of sections 1/2-49-20-4
 New road south of section 7-59-14-4
 New road south of section 12-59-15-4

RESURVEYS

Resurvey of road diversion east of section 12-52-1-4
 Resurvey of lost corners east of sections 10/15-53-19-4

ROAD DIVERSIONS.

Diversion north of section 36-56-14-4
 Diversion north of section 34-56-14-4.
 Diversion west of section 18-51-15-4 (Pits to dig)
 Diversion west of section 4-55-11-4
 Diversion south of section 29-54-17-4. (Pits to dig)
 Diversion south of section 30-54-17-4. (Pits to dig.)
 Diversion west of section 14-54-18-4. (Pits to dig)
 Diversion east of section 10-54-18-4 (Pits to dig)
 Diversion west of section 7-50-12-4
 Diversion of section 32, and east of section 31-53-12-4.
 Diversion east of section 30-47-2-4
 Diversion west of section 30-49-12-4, and east of section 25-49-13-4.
 Diversion east of section 33-51-6-4.
 Diversion into sections 8, 9/17-54-10-4.
 Diversion west of section 28-53-10-4
 Diversion into section 26-50-3-4
 Diversion west of section 4-52-9-4
 Diversion west of section 33-51-9-4
 Diversion east of section 18-52-9-4
 Diversion west of section 36-51-28-3
 Diversion west of section 1-52-28-3
 Diversion east of sections 12/13-52-1-4
 Diversion east of section 12-53-1-4.
 Diversion west of section 24-53-28-3
 Diversion east of section 24-53-1-4
 Diversion into sections 2, 3, 11, 13/14-52-4-4
 Diversion into section 34-51-4-4
 Diversion west of section 25-46-6-4
 Diversion east of section 32-52-4-4
 Diversion west of section 33-52-4-4
 Diversion into sections 3/4-47-6-4
 Diversion north of section 9-50-6-4.
 Diversion south of section 17-50-6-4.
 Diversion east of section 29-45-6-4
 Diversion east of section 33-44-5-4.
 Diversion south of sections 3/4-45-5-4.
 Diversion west of section 7-49-12-4
 Diversion into sections 9, 10/15-48-8-4.
 Diversion east of section 31-48-8-4
 Diversion east of section 6-49-8-4.
 Diversion east of sections 18/19-48-8-4.
 Diversion east of sections 21/28-49-6-4.
 Diversion east of section 21-47-6-4.
 Diversion north of section 20-46-5-4.
 Diversion east of section 11-46-6-4
 Diversion south of section 17-44-11-4.
 Diversion west of section 28-45-11-4.
 Diversion west of section 16-47-18-4.
 Diversion west of section 5-47-18-4
 Diversion north of section 7-50-17-4.
 Diversion north of section 12-50-18-4.
 Diversion south of section 15-50-18-4
 Diversion north of section 31-50-19-4.

Diversion south of section 1-51-20-4.
 Diversion south of section 4-51-20-4.
 Diversion south of section 3-51-20-4. (Two diversions.)
 Diversion north of section 33-50-20-4
 Diversion south of section 4-57-18-4
 Diversion south of sections 3/4-59-13-4
 Diversion into section 3-57-7-4.
 Diversions into sections 17, 18/19-59-10-4. (Two diversions in section 17)
 Diversion into section 8-59-10-4
 Diversion south of section 1-59-10-4.
 Diversion east of section 23-58-11-4
 Diversion north of section 22, and south of section 28-59-11-4
 Diversion west of section 7-59-10-4
 Diversion east and south of section 3-59-11-4
 Diversion west of section 27-58-11-4. (Two diversions)
 Diversion east of section 12-59-11-4
 Diversion east of section 30-59-11-4
 Diversions south of sections 3/4-59-13-4
 Diversion east of section 10-58-15-4.
 Diversion west of section 26, and east of section 27-58-15-4
 Diversion west of section 35-58-15-4.
 Diversion east of section 22-58-15-4.
 Diversion south of section 14-58-15-4. (Two diversions.)
 Diversion north of section 34-58-15-4.
 Diversion north of section 22-58-15-4.
 Diversion north of section 35-58-15-4.
 Diversion east of section 2, and west of section 1-59-15-4.
 Diversion across the south-east quarter of section 8-59-15-4. (Should be private road.)
 Diversion east of section 17-59-15-4.
 Diversion across sections 4, 5/6-59-15-4 (Victoria Trail.)
 Diversion south of section 15-54-10-4.
 Diversion north of section 24, and south of section 25-50-20-4
 Diversion west of section 13-49-11-4
 Diversion north of sections 10/11, and east of section 15-49-13-4.
 Diversion south of section 4-57-13-4 (Two diversions)
 Diversion west of section 15-50-6-4.
 Diversion east of section 34-51-11-4.
 Diversion into section 7-51-10-4, and section 12-51-11-4
 Diversion east of sections 8/17-50-6-4.
 Diversion east of section 7-51-8-4.

DRAINS.

Ditch to drain lake in sections 11, 12, 13, 14, 23/24-59-12-4
 Ditch to drain slough on section 12-59-11-4.

EXAMINATIONS, ETC.

Examination and report of old Battleford Trail from Whitford Lake to Canadian Northern Railway.

Examination and report that diversion asked for in section 18-55-13-4 should come under Private Roads clause

Examination and report that in road surveyed in sections 2, 10/11-56-14-4 corners were destroyed because land would not be granted. This should come under Private Roads clause.

Examination and report on Canadian Northern Railway crossing east of section 26-50-8-4.

Examination and report on muskeg crossing south of section 26-53-13-4.

Examination and report on survey required north of section 12-53-13-4.

Examination and report on Blind line north of section 28-50-10-4, not required to be opened.

Examination and report that outlet for settlers on section 20-49-6-4 should come under Private Roads clause.

Examination and report that survey into section 32-52-6-4 was made in 1907.

Examination and report on drain required north of section 9-50-18-4, slough graded.

Examination and report no work required north of section 25-50-20-4.

Examination and report no work required east of section 19-49-11-4.

Examination and report no work required east of section 6-49-19-4.

Examination and report slough graded east of section 16-50-18-4.
 Examination and report of roads east of Saddle Lake Indian Reserve.
 Examination and report no surveys required north of section 31-56-13-4.
 Examination and report that survey east of section 22-49-11-4 be withheld until agreements are secured.
 Examination and report that survey asked for east of section 2-49-11-4 should come under Private Roads clause, as an outlet was surveyed in 1908.
 Examination and report on road through section 17-48-12-4.
 Examination and report on bridge sites in and east of section 19-45-7-4 over the Battle River.
 Examination and report of road north of section 4-51-11-4.
 Examination and report of township line north of section 46-11-4.
 Examination and report of lines east of sections 16, 21 and 28, and north of sections 9/10-43-10-4.

During the past season pits were dug at the following road diversions. These had been left over from the previous season owing to the ground being frozen at the time the surveys were made:

Diversion into section 7-57-10-4.
 Diversion into sections 19/30-57-10-4.
 Diversion east of sections 1, 12/13-52-1-4.

Reports and sketches were forwarded to the department at the time the surveys and examinations were made.

A number of the plans and field notes have already been sent in to the department. The remainder are now in course of preparation.

I have the honour to be, Sir,

Your obedient servant,

LENNOX T. BRAY, D.L.S.,
District Surveyor and Engineer.

CALGARY, December 20, 1910.

L. C. CHARLESWORTH, Esq.,
Director of Surveys,
 Edmonton, Alberta.

SIR,—I herewith submit report of work performed in the Calgary District during the season of 1910

The season opened somewhat late, owing to my only receiving the appointment as District Surveyor and Engineer in June last, but as the weather has been unusually favourable for surveying operations I was able to cover a good deal of territory and to remain in the field until the 10th of December. At this date we had experienced considerable cold weather, the frost having penetrated into the ground on an average of over one foot in depth and in some cases even deeper, rendering pit digging a difficult operation and too expensive to warrant a continuation of field work.

The exceptional dryness of the season has been, in most cases, of considerable advantage, as no delays have been caused by rainy days or by roads being in a bad condition, but on the other hand some work had to be left over for next season owing principally to the lack of water and feed for horses.

Some idea of the territory covered can be gained from the fact that during the season over 500 miles were covered in moving camp alone.

Attached will be found a list of the surveys and examinations made by me during the season.

Under the heading of "Examinations," is included only such work as was found not to require survey or for which survey was left over for reasons given in separate reports

All of which is respectfully submitted.

Your obedient servant,

P. N. JOHNSON,
District Surveyor and Engineer.

NEW ROADS.

Portion of road from Gleichen to Dorothy including the examination of 55 miles of road allowances.

Road leading to ferry over Bow River in township 19-18-4

Extension of road from Nanton west

Blind line road north of sections 3, 4 and 5, township 15-23-4

Road across sections 23 and 24, township 17-29-4 (Squaw Coulee) preliminary survey only

ROAD DIVERSIONS

Diversion in south-east quarter of section 12, township 23-21-4

Diversion in south-east quarter of section 7, township 18-2-5

Diversion in east half of section 25, township 15-23-4

Diversion in south-east quarter of section 28, township 23-24-4

Diversion in north-east quarter of section 12, township 15-26-4

Diversion in sections 11, 14, 15 and 22, township 25-25-4

Diversion in north-east quarter of section 20, township 15-28-4

Diversion in north half of section 8, township 22-21-4

Diversion in north-west quarter of section 22, township 18-25-4

Diversion in south-west quarter of section 27, township 18-25-4.

Diversion in south-west quarter of section 29, township 17-29-4

Diversion in south-west quarter of section 25 and north-west quarter of section 24, township 15-27-4.

Diversions in west half of section 22 and north-west quarter of section 15, township 16-28-4

Diversion in south-east quarter of section 8 and south-west quarter of section 9, township 16-28-4.

Diversion in south-east quarter of section 9, township 16-28-4

EXAMINATIONS

Examination re diversions asked for east of sections 32 and 29, township 20-28-4.

Examination re proposed C P R diversion in south-east quarter of section 26, township 22-22-4.

Examination re proposed C P R diversion in the north-east quarter of section 7, township 22-21-4

Examination re diversion asked for in south-west quarter of section 34, township 17-2-5

Examination re proposed C P R. diversion in the north-west quarter of section 18 and west half of section 19, township 25-23-4

Examination re proposed C.P R. diversion in north half of section 20, township 25-23-4.

Examination re proposed C P R diversion in west half of section 14, township 25-24-4

Examination re proposed C P R diversion in the south-east quarter of section 25, township 25-24-4

Examination re opening of blind line road north of sections 1, 2 and 3, township 27-17-4.

Examination re diversion asked for in section 6, township 23-1-5

Examination re proposed blind line road north of sections 25 to 30, township 17-25-4.

Examination re diversion asked for in section 17, township 15-28-4

Examination re diversion asked for north of sections 23, township 22-21-4.

Examination re diversion asked for between sections 23 and 26, township 17-27-4.

Examination re width of road allowance between sections 34 and 2, townships 18/19-29-4
 Examination re diversion asked for between sections 31 and 5, townships 18/19-25-4
 Examination re diversion asked for in east half of section 13, township 16-28-4
 Examination re C.P.R. diversions in north-east quarter of section 11, east half of section 15 and north-west quarter of section 14, township 22-25-4
 Examination re C.P.R. diversion at Stobart.
 Examination re diversions asked for south of sections 29 and 30, township 20-28-4
 Examination and location of bridge site over High River between sections 16 and 17, township 18-2-5

December 29, 1910

JOHN STOCKS, ESQ.,
Deputy Minister of Public Works,
 Edmonton.

SIR,—I have the honour to submit the following report regarding work done under The Alberta Drainage Act during the season of 1910:

Mr. P. N. Johnson went into the field with a survey party on April 8th. During the months of April and May he surveyed a ditch through sections 28 and 33, township 52, range 25, west of the 4th meridian, to drain the 14th base line and adjoining lands. He also surveyed a ditch along Spotted Lake Creek, through sections 33 and 34, township 40, range 22, west of the 4th meridian, and section 4, township 41, range 22, west of the 4th meridian, in connection with the drainage of Spotted Lake and Parlby Creek.

In June Mr. Johnson was appointed District Surveyor and Engineer, at Calgary, and I carried on the work as Drainage Engineer.

I did not have an organized survey party engaged as there was as much work laid out as we could undertake, but had a few men, from time to time, in the field. We made several surveys in connection with the drainage of Horse Lakes and Long Lake in township 53, range 25, west of the 4th meridian. This scheme might have been undertaken quite easily a few years ago, but, owing to the subdivision of so much property in the west end of the city of late, it will now require the fullest consideration before being undertaken.

We also made a survey of a ditch in sections 16 and 17, township 38, range 28, west of the 4th meridian, to drain Burnt Lake, together with test pits along the line of ditch and a contour survey of the lake bottom. On account of the existence of about one-half mile soft ground along the ditch line, it will be necessary to work the ditching machine down stream on a float; otherwise I consider the scheme quite easy.

During the season we had two ditching machines in operation. We started machine No. 1 on June 26th on the construction of the ditch through sections 33 and 34, township 40, range 22, west of the 4th meridian, in connection with the drainage of Spotted Lake and Parlby Creek, and made good progress until November 4th, when owing to the soft nature of the bottom of the ditch we could not go any further as the machine was working on a drag, the material in the bottom of the ditch being too soft to carry same. The machine will have to be constructed on a float to complete the ditch.

We started Machine No. 2 on August 1st on the construction of the ditch through sections 28 and 33, township 52, range 25, west

of the 4th meridian, in connection with the drainage of the 14th base line and adjoining lands. Excellent progress was made. We finished this ditch on November 29th, having constructed about two and a-half miles of ditch.

The three ditching machines are now being repaired for next season's work

Your obedient servant,

J D ROBERTSON,
Drainage Engineer.

REPORT OF FIELD WORK DONE BY L. C. CHARLESWORTH'S PARTY.

ROAD DIVERSIONS

Diversion in north-west quarter of section 11-55-24-4.
 Diversion in east half of section 2-54-25-4.
 Diversion in north-west quarter of section 7-53-25-4.
 Diversion in north-east quarter of section 9-54-26-4.
 Diversion in west half of section 17-53-26-4.
 Diversion in west half of sections 7/18-52-26-4.
 Diversion in south-west quarter of section 7-52-26-4.
 Diversion in north-east quarter of section 1-52-27-4.
 Diversion in north-west quarter of section 6-52-26-4.
 Diversion in south half of section 1-52-27-4.
 Diversion in south-west quarter of section 36-51-27-4.
 Diversion in south-west quarter of section 24-51-27-4.
 Diversion in south-east quarter of section 31-51-1-5.
 Diversion in north-east quarter of section 35-51-2-5.
 Diversion in north-east quarter of section 1-51-2-5.
 Diversion in east half of section 13-51-2-5.
 Diversion in south half of section 3-52-2-5.
 Diversion in south-east quarter of section 26-51-2-5.
 Diversion in west half of sections 20/29-52-2-5.
 Diversion in south-west quarter of section 18-53-2-5.
 Diversion in west half of section 31-53-2-5.
 Diversion in north-west quarter of section 30 and south-west quarter of section 31-53-2-5.
 Diversion in north-east quarter of section 24-53-3-5.
 Diversion in south-west quarter of section 14-53-5-5.
 Diversion in south half of sections 3/4-57-2-5.
 Diversion in north-east quarter of section 8 and north-west quarter of section 9-56-1-5.
 Diversion in south-west quarter of section 32 and north-west quarter of section 29-53-22-4.
 Diversion in north-west and south-west quarters of section 11-52-22-4.
 Diversion in north-west quarter of section 24-51-21-4.
 Diversion in north-east quarter of section 11, south-east quarter of section 14 and south-west quarter of section 13-51-21-4.
 Diversion in north-west quarter and north-east quarter of section 13-51-21-4.
 Diversion in north-east quarter of section 24-49-23-4.
 Diversion in north-west quarter and north-east quarter of section 35-49-24-4.
 Diversion in north-east quarter of section 14-49-24-4.
 Diversion in south-east quarter of section 5-49-24-4.
 Diversion in south-west quarter of section 2-49-24-4.
 Diversion in south-east, south-west and north-west quarters of section 26-47-23-4.
 Diversion in north-west quarter of section 7-47-23-4 and north-east quarter of section 12-47-24-4.
 Diversion in south-west quarter of section 12-47-27-4.
 Diversion in north-west quarter of section 12-47-27-4.
 Diversion in south-east quarter of section 13-49-24-4.
 Diversion in south-east quarter of section 2-50-2-5.
 Diversion in south-west quarter of section 17-50-1-5.
 Diversion in north half of section 23-49-2-5.
 Diversion in south-west quarter of section 27-49-2-5.
 Diversion in north-east and north-west quarters of section 12-51-22-4.
 Diversion in north-east quarter of section 12-51-21-4 and north-west quarter of section 7-51-20-4.

Diversion in north-east quarter of section 7-51-20-4.
 Diversion in north-west quarter of section 12-51-20-4.
 Diversion in north-west quarter of section 23-55-22-4.
 Diversion in north-west quarter of section 34-51-2-5.
 Diversion in south-west and north-west quarters of section 1 and north-east quarter of section 2-52-2-5.
 Diversion in north-west quarter of section 1 and south-west quarter of section 12-52-2-5.
 Diversion west of sections 30/31-51-2-5.
 Diversion in north-east quarter of section 34-51-2-5.

NEW ROADS.

Between River Lots 4 and 5, St. Albert Settlement.
 North of section 34-53-25-4 to east boundary of River Lot 50, St. Albert Settlement.
 Across River Lot 6, St. Albert Settlement.
 Blind line north of section 15-54-26-4.
 East and west of centre line of section 23-56-2-5.
 East and west of centre line of section 16-47-21-4.
 Blind line north of section 30-48-27-4.
 Blind line north of section 1-48-27-4.
 Blind line north of section 13-49-24-4.
 Blind line north and south of centre line of section 24-49-24-4.
 Trail through River Lots 1, 3, 5, 7 and 9 Fort Saskatchewan Settlement.
 Trail through River Lot 63, St. Albert Settlement.
 Trail across section 13-51-27-4.
 Trail through River Lots south of Sturgeon River, St. Albert Settlement.
 Blind line north of section 13-47-23-4.

EXAMINATIONS.

Road allowance between sections 27 and 28 and 33/34-53-25-4.
 Road allowance between sections 11/14-53-25-4.
 Traverse of slough in 26/25/35/36-53-25-4.
 Road allowance between north-east quarter section 21 and north-west quarter 22-51-2-5.
 North-east quarter 22-52-2-5.
 Road allowance east and south of 14-51-4-5.
 Road allowance west of sections 36 and 25-53-25-4.
 Road allowance west of south-west quarter of section 8-53-23-4.
 Road allowance east and south of section 29-53-22-4.
 Road allowance west and south of section 3-54-22-4.
 Blind line south and south-east quarter of section 36-51-21-4 and south of section 31-51-20-4.
 Blind line south of section 23-51-21-4.
 Blind line north of section 13-48-25-4 and range line east of section 24-48-25-4.
 Road allowance east of section 36-49-25-4.
 Checking chainage from quarter post east of section 13-49-22-4 to Witness Mound north-east of section 13-48-22-4.
 Blind line north of section 15-47-23-4.
 Road allowance between sections 31/32-47-23-4.
 Blind line north of section 1/2-47-27-4.
 From north-east quarter section 23-47-28-4 to and along south-east shore of Pigeon Lake.
 From east boundary section 13-47-1-5 to south-west quarter section 28-47-1-5.
 Bridge location between section 30-48-26-4 and section 25-48-27-4.
 Diversion through west half section 19-48-26-4.
 Proposed diversion between sections 33/34-49-2-5.
 Crossing over G.T.P. railway in section 36-52-22-4.
 Road allowance south-east of River Lots, south side of Sturgeon River at St. Albert Settlement.
 North of section 50-28-4.

MEDICINE HAT, December 31, 1910

JOHN STOCKS, ESQ.,
Deputy Minister of Public Works,
 Edmonton, Alberta

SIR,—I have the honour to submit the following report with regard to the work performed by me during the past season in the Public Works District of Medicine Hat and Olds

The greater part of the work consisted of surveys of road diversions, new roads, examinations, and reports

Below is given a list of surveys and examinations, made in the order of instructions received

ROAD DIVERSION SURVEYS

Diversion from road allowance sections 1/11-10-13-4 and sections 23-9-13-4.
 Diversion from road allowance sections 20/30-11-6-4.
 Diversion from road allowance sections 21/22-11-5-4
 Diversion from road allowance sections 9/10 and 15/16 in 30-25-4
 Diversion from road allowance sections 3/4-30-25-4.
 Diversion from road allowance section 2-30-25-4, and section 35-29-25-4.
 Diversion from road allowance south-west quarter section 27-30-25-4
 Diversion from road allowance section 19-30-25-4
 Diversion from road allowance section 30-30-25-4 and section 25-30-26-4.
 Diversion from road allowance north-west quarter section 20-30-25-4
 Diversion from road allowance north-west quarter section 19-30-25-4
 Diversion from road allowance north-east quarter section 13-30-26-4
 Diversion from road allowance south-east quarter section 23-30-26-4.
 Diversion from road allowance north-west quarter section 5-30-25-4
 Diversion from road allowance south-east quarter section 34-30-26-4
 Diversion from road allowance sections 35/36-30-26-4.
 Diversion from road allowance south-east quarter section 1-31-26-4
 Diversion from road allowance south-west quarter section 13-31-26-4
 Diversion from road allowance north of sections 21/22-30-26-4
 Diversion from road allowance south-west quarter section 16-30-26-4
 Diversion from road allowance north-west quarter section 23, south-west quarter section 23, and north-west quarter section 14-31-24-4.
 Diversion from road allowance sections 16/17 and south-west quarter section 1-31-24-4.
 Diversion from road allowance south half section 14-31-25-4
 Diversion from road allowance south-east quarter section 5-32-25-4
 Diversion from road allowance south-west quarter section 26-31-26-4
 Diversion from road allowance south-east quarter section 32-32-26-4 and north-east quarter section 33-31-26-4.
 Diversion from road allowance around lake north half section 10-32-26-4.
 Diversion from road allowance sections 9/15-32-26-4
 Diversion from road allowance around lakelet in north-west quarter section 2-32-26-4.
 Diversion from road allowance sections 27/34-32-27-4
 Diversion from road allowance section 36-32-27-4 and section 31-32-26-4
 Diversion from road allowance south-west quarter section 29-33-26-4
 Diversion from road allowance south half section 17-33-26-4
 Diversion from road allowance sections 29/30-33-27-4
 Diversion from road allowance north-east quarter section 18-33-27-4
 Diversion from road allowance south-west quarter section 9-33-28-4
 Diversion from road allowance sections 4/5-34-28-4
 Diversion from road allowance north-east quarter section 19-34-26-4
 Diversion from road allowance south of south-east quarter section 1-35-3-5
 Diversion from road allowance north half section 10-35-3-5
 Diversion from road allowance west half section 16 and east half section 17-33-3-5
 Diversion from road allowance north-east quarter section 24-34-4-5.
 Diversion from road allowance south-east quarter section 28-34-4-5
 Diversion from road allowance north-east quarter section 35-34-3-5
 Diversion from road allowance north-west quarter and south-west quarter of section 6-36-4-5
 Diversion from road allowance south half of section 14-36-4-5
 Divers on from road allowance section 32-35-3-5
 Divers on from road allowance north half sections 20/35-3-5

Diversion from road allowance north half section 8, section 17, east half section 20-35-3-5

Diversion from road allowance sections 9/4-31-3-5

Diversion from road allowance sections 6/1-31-3/4-5.

Diversion from road allowance south-west quarter section 26-31-26-4

EXAMINATIONS AND REPORTS.

Examination and report of road along blind line, north of sections 25/26/27-12-5-4 and section 30-12-4-4

Examination and report of C P R. crossing road allowances township 13-6-7-4.

Examination and report of change of diversion survey in sections 20/30-11-6-4.

Examination and report in road allowance east of the south-east quarter of section 34-9-7-4.

Examination and report on surveyed road through the north-west quarter section 28-12-5-4.

Examination and report on change of location for proposed road, sections 17/18, 19/20-11-5-4

Examination and report on proposed closing of road crossings section 33-17-13-4 by C.P.R.

Examination and report in road allowance north of section 31-30-26-4.

Examination and report of proposed road along blind line across township 29-26-4 north of sections 13/18.

Examination and report of proposed diversion between sections 16/17-29-23-4.

Examination and report of proposed diversion between sections 15/16-29-23-4

Examination and report on road allowance north of sections 32/33-29-23-4

Examination and report on road allowance east of section 31-31-25-4

Examination and report of proposed road between sections 27/34-34-4-5

Examination and report of proposed road sections 14/23, 15/22 and 16/21-31-3-5

Examination and report between sections 1/2 and 35/36-31-29-4, and C and E. trail in townships 31/32-1-5

Examination and report of C. and E. trail through section 14-28-1-5

Examination and report through slough on road allowance sections 15/16, 21/22-34-28-4

Examination and report road allowance section 22-23-30-26-4.

Examination and report road allowance sections 33/34-31-26-4.

SURVEYS OF NEW ROADS.

Survey of new road through sections 10/11-29-24-4.

Survey of new road section 8-33-27-4.

Survey of new road between sections 16/21-33-27-4.

Survey of new road blind line sections 26/35-35-3-5.

Survey of new road through the north half of section 20-35-3-5.

Survey of new road through section 26-27/28-29-28-4.

Survey of new road through section 26-31-3-5.

The season in general has been a favourable one for performing surveys

The first part of the season was spent in making surveys in the Medicine Hat District

The party and outfit were then shipped to Acme, and work was continued throughout the season in the Olds District. A number of surveys were made which had been outstanding for several years

Cross-sections were taken for bridge sites and for improving the grades of hills. An endeavour was made to run as easy grades as possible, and with as little damage as possible to private property.

Reports in detail were forwarded to the department at the time of examination and survey.

Party was disbanded on November 26th last, and the balance of the year spent in making plans, etc

Your obedient servant,

J. A. CARBERT,
District Surveyor and Engineer.

LACOMBE, December 31, 1910.

L. C. CHARLESWORTH, ESQ.,
Director of Surveys,
 Edmonton, Alberta

SIR,—I beg to submit the following report in connection with the work performed by myself and party in the Lacombe Public Works District during the year 1910, and I attach hereto a schedule showing the work done, and classified as "New Roads," "Road Diversions," "Examinations," and "Mounds Dug and Iron Bars Driven"

The beginning of the year my time was devoted to completing the returns of the previous season's field work, and to making several examinations for which instructions were issued.

About the middle of April I organized my party, which consisted of an assistant, four men and a cook, with four teams and the usual camp equipage for field work, and took the field

Instructions were issued to give early attention to the survey of a road north-west from Bittern Lake, and I headed with party in that direction. While on my way I completed the survey of a new road through township 43, ranges 28, 1 and 2, west of the 4th and 5th meridian, to steel bridge over the Blindman River, to give those living to the west a road into Ponoka.

After completing road north-west from Bittern Lake my attention was given to surveys along the new lines of railway, viz.: the branch of the C N.R. from Camrose to Stettler, and the branch of the G T P. from Camrose to Alix. There was a large amount of work to be done surveying roads leading into the new towns which are springing up along these railways, and which required immediate attention, and I might say that I spent the greater part of the season in that vicinity.

The balance of the year I completed the survey of road to the steel bridge over the Battle River in township 39, range 12, west of the 4th meridian, road from Loughheed to Hardisty, road to new steel bridge east of Ponoka, and roads north, south and east of Battle Lake, through township 46, ranges 1 and 2, west of the 5th meridian, together with a number of smaller surveys. The country around Battle Lake is thickly covered with heavy timber and brush, and it took some time to complete this survey. On completion of this work I returned to headquarters and disbanded about the end of December.

The season on the whole has been exceptionally good for field work. A marked improvement has been noted in the condition of the roads, as compared to former years, enabling me to make good time in travelling from survey to survey, and having a most proficient staff, who have been with me for a number of seasons, I was able to accomplish more work than in any previous year.

I have the honour to be, Sir,

Your obedient servant,

A. S. STEWART
District Surveyor and Engineer

NEW ROADS.

Road along centre line of section 24-38-28-4.
 Road along blind line between sections 15/22-41-24-4.
 Road through north-west quarter section 4-39-23-4 (change).
 Road through section 15-46-24-4 (change).

Road through sections 3/10/15-44-21-4 to Ferintosh.
 Road in section 29 and change in north-west quarter section 20-38-27-4.
 Road through sections 4/9/10/11-43-25-4 to steel bridge over Battle River at Ponoka.
 Road in section 32-42-25-4 (change in C. & E. trail).
 Road between sections 3/10-42-26-4.
 Road through sections 36/31/32-38-12/13-4.
 Road in section 18-38-23-4.
 Road along blind line north of sections 3/4 and east of section 3-39-27-4.
 Road through section 13-48-19-4.
 Road through township 46-2-5 north of Battle Lake.
 Road in sections 30/31-42-9-4 (change), at Hardisty.
 Road north and west from Bittern Lake across the Narrows, through sections 25/35/36-46-22-4 and in south-west quarter section 3 and south-east quarter section 4-47-22-4.
 Road along blind line south of section 33-38-23-4.
 Road through section 36-38-21-4 to Erskine.
 Road across the north-west quarter section 22-37-22-4.
 Road from Lougheed to Hardisty through township 43-10/11-4.
 Road through sections 3/10-39-12-4, and change in south-east quarter section 3-39-12-4, to the steel bridge over the Battle River.
 Road through north half section 20-37-22-4.
 Road through sections 1/6/7-46-1/2-5.
 Road in north-east section 30-40-26-4 (change).
 Road in River Lots 15/16-46-21-4 (change).
 Road across section 30-39-22-4 (re-survey).
 Road in sections 15/22-47-23-4.
 Road along blind line south of sections 11/12-45-20-4.
 Road through township 43-28-4 and ranges 1/2-5.
 Road in sections 16/17/20-45-22-4.
 Road in south-east quarter section 27-39-27-4 to new school at Blackfalds.
 Road along the blind line north of sections 28/29/30-38-20-4.
 Road along the blind line north of sections 27/28-45-21-4 into Duhamel.
 Road through the centre of section 11-45-21-4 into New Norway.
 Road across township 37-21-4.
 Road along blind line between sections 2/11-41-27-4.
 Road through the centre of section 19-38-21-4.
 Road across sections 26/34 and in the north-east quarter of section 27-41-18-4.
 Road in south-east quarter section 30 and south-west quarter section 29-41-17-4.
 Road along the blind line south of sections 11/12-46-2-5.
 Road through section 24-38-17-4.
 Road across section 11-43-27-4.

ROAD DIVERSIONS.

Diversion in south half section 30 and north-west quarter section 19-43-23-4.
 Diversion east of sections 28/33-42-26-4
 Diversion in the north-east quarter of section 12-41-20-4 (change).
 Diversion in south-west quarter of section 2, south-west quarter of section 5, and south-east quarter of section 6-40-20-4, and north-west quarter of section 32-39-20-4.
 Diversion in north-east quarter section 11-40-22-4.
 Diversion in north half of section 36-42-20-4.
 Diversion in north half of section 9-41-17-4 (change).
 Diversion through west half of sections 6/7/18-41-22-4.
 Diversion between sections 12/13-40-26-4.
 Diversion in north-west quarter of section 7-38-21-4.
 Diversion east of sections 15/22/27-39-15-4.
 Diversion in sections 5/6-39-23 and section 36-38-24, and section 31-38-23-4.
 Diversion in south-east quarter of section 25-40-27-4 (re-survey) and dug mounds
 Diversion in south half of section 6-39-20-4 (change)
 Diversion in north half of section 9-39-28-4 (re-survey).
 Diversion in sections 8/17/18-41-22-4 (re-survey).
 Diversion in south-west quarter of section 1-36-26-4 (change).
 Diversion in section 11-40-23-4 (change).
 Diversion in south half of section 5-48-23-4 and north-west quarter of section 32-47-23-4.
 Diversion in north-west quarter of section 29-40-27-4
 Diversion in north-west quarter of section 7-38-22-4 (re-survey).
 Diversion in north-west quarter of section 26-41-27-4 (change).

- Diversion west of sections 16/21-38-24-4.
- Diversion in north-east quarter of section 34-42-20-4 (re-survey), and drove iron bars.
- Diversion north of sections 10/11/12-40-21-4.
- Diversion in north-west quarter of section 24 and north-east quarter of section 23-41-22-4.
- Diversion between sections 13/14-43-20-4.
- Diversion east of sections 11/35 and sections 2/11-39/40-16-4.
- Diversion between sections 21/28 and in south-east quarter of section 27-39-23-4.
- Diversion in south-west quarter of section 23-39-24-4.
- Diversion in south-west quarter of section 10-39-24-4.
- Diversion in north-east quarter of section 19 and north-west quarter of section 20-39-16-4.
- Diversion in north-west quarter of section 34-38-17 and south-east quarter of section 3-39-17-4.
- Diversion in north-east quarter of section 21-37-19-4.
- Diversion in south-west quarter of section 19-37-19-4.
- Diversion in south boundary sections 1/2-37-20-4.
- Diversion in south-west quarter of section 21-41-22-4.
- Diversion in south boundary of sections 17/18/13-42-22/23-4 and east of south-east quarter of section 18-42-22-4.
- Diversion in north-west quarter of section 21, north-east quarter of section 20 and south-east quarter of section 29-42-22-4.
- Diversion on south boundary of section 17-42-21-4.
- Diversion on north-west quarter of section 5-42-21-4.
- Diversion east of sections 4/9/16/21/28/33-37-25-4.
- Diversion west of sections 20/29-39-21-4.
- Diversion east of sections 13/24-37-16-4.
- Diversion in north-east quarter of section 24 and north-west quarter of section 19-41-17/18-4, and south-west quarter of section 25-41-18-4.
- Diversion on south boundary of section 29-41-23-4.
- Diversion on east boundary of section 29-41-23-4.
- Diversion on south-west quarter of section 4 and south-east quarter of section 5-43-27-4.
- Diversion in south-east quarter of section 14-37-24-4.
- Diversion in north-west quarter of section 29 and south-west quarter of section 32-37-24-4.
- Diversion in north-west quarter of section 22 and north-west quarter of section 23-37-24-4.
- Diversion in west of sections 2/11/14/23/26/35-37-23-4.
- Diversion in north-east quarter of section 32-37-25-4.
- Diversion in south-east quarter of section 25-39-22 and north half of section 19-39-21-4.
- Diversion in south-east quarter of section 30-39-22-4.
- Diversion in north-east quarter of section 1-37-16-4.
- Diversion east of sections 5/8/17/20/29-48-20, and east of sections 32-47-20-4 and north of section 33-47-20-4.
- Diversion on west boundary of section 35-44-21-4.
- Diversion in north-west quarter of section 21-45-21-4.
- Diversion on south boundary of section 25-45-22-4.
- Diversion in north-west quarter of section 20 and south-west quarter of section 29-38-21-4.
- Diversion between sections 5/6, 7/8, and 17/18-42-18-4.
- Diversion in north-east quarter of section 31-40-21-4.
- Diversion in north-half of section 23-41-23-4.
- Diversion on south boundary of sections 3/4/5-42-18-4.
- Diversion in north-east quarter of section 14, east half of section 23 and north-west quarter of section 24-43-24-4.
- Diversion in north-east quarter of section 12, south-east of quarter section 13 and west half of section 7-42-17/18-4.
- Diversion in south-west quarter of section 17-41-18-4.
- Diversion between sections 34/35-41-18-4.
- Diversion in north-east quarter of section 8 and south-east quarter of section 17-40-16-4.
- Diversion in north-east quarter of section 9-40-16-4.
- Diversion in north-west quarter of section 8-43-27-4.
- Diversion in south-east quarter of section 17-43-27-4.
- Diversion in south-west quarter of section 13-43-28-4.
- Diversion on west boundary of section 22-43-20-4.

EXAMINATIONS.

Examination of road allowance between sections 7/8-46-24-4.
 Examination west of sections 19/30-38-27-4.
 Examination in section 24-38-28-4.
 Examination of surveyed road in section 17-39-26-4.
 Examination for subway in south-west quarter of section 10-39-22-4.
 Examination of surveyed diversion in east half of section 19-44-25-4.
 Examination of road allowance east of south-east quarter of section 31-40-26-4.
 Examination of sloughs west of Ponoka in sections 4/5/9-43-25-4.
 Examination of Cormier Lake in sections 28/29-47-23-4.
 Examination of proposed drain in sections 14/15/23-47-25-4, to drain sloughs in sections 10/11 and sections 14/15/16.
 Examination at north-east corner of section 17-46-22-4 (check).
 Examination of road diversion east of section 1-40-22-4.
 Examination of diversion on west boundary of section 11-46-20-4.
 Examination of surveyed road in section 8-43-23-4.
 Examination of blind lines north of sections 13/14/17/18-37-22/23-4.
 Examination of sections 18/19-39-24-4.
 Examination east of sections 13/24-41-18-4.
 Examination of blind line road north of section 30-46-21-4 (check).
 Examination in sections 22/23-46-24-4.
 Examination of surveyed road in north-west quarter of section 26-42-26-4.
 Examination of road through section 27-38-26-4.
 Examination of surveyed road in section 25-40-24-4.
 Examination of blind line between sections 26/35-43-2-5.
 Examination of road allowance west of sections 30/31-42-18-4.
 Examination between sections 3/4, 9/10-42-18-4.
 Examination at the south-east corner of section 25-37-24-4 (check)
 Examination north of sections 31/32/33-42-1-5.
 Examination in sections 20/29-41-17-4.
 Examination west of sections 1/12/13-40-21-4.
 Examination north of section 24-41-22-4.
 Examination between sections 12/13-39-25-4.
 Examination east of sections 10/15/22-44-3-5.
 Examination of road allowance east of townships 39/40-24-4.
 Examination in sections 13/18-38-18/19-4.
 Examination in sections 9/16 and north of sections 1/2/3-37-17-4.
 Examination east of south-east quarter of section 5-38-19-4.
 Examination east of section 4-37-20-4.
 Examination between sections 5/6-38-27-4.
 Examination between sections 3/4-48-20-4.
 Examination of sloughs in sections 9/10/11-48-20-4 and sections 34/35/1/2-47/48-20-4 and sections 23/24/26-47-20-4.
 Examination between sections 31/32-42-23-4.
 Examination west of section 19-42-23-4.
 Examination north of section 21-42-24-4.
 Examination between sections 8/9-38-23-4 and staked out drain between sections 9/16-38-23-4.
 Examination between sections 9/16-40-15-4.
 Examination of slough in sections 26/35-44-21-4.
 Examination in section 31-42-23-4.
 Examination south of section 5-42-17-4.
 Examination of G.T.R. crossing in north-west quarter of section 2-41-22-4.
 Examination between sections 7/18-42-17-4.
 Examination of blind line between sections 29/32-41-18-4.
 Examination between sections 19/20-41-18-4.
 Examination between sections 1/6-41-16/17-4.
 Examination south of section 17-42-17-4.
 Examination of proposed drain to drain sloughs in sections 25/36-42-25 and section 6-43-24-4.
 Examination of sloughs in sections 2/3-44-20-4.
 Examination between sections 20/29-37-28-4, and staked out drain.

MOUNDS DUG AND IRON BARS DRIVEN.

Drove iron bars on road in sections 26/29/32-39-5-5.
 Drove iron bars on diversion in north-east quarter of section 24-47-21-4.
 Drove iron bars on diversion in south half of section 17-40-15-4.
 Drove iron bars on diversion in sections 15/16-44-14-4.

Drove iron bars on diversion in sections 17/20-43-13-4, and made check in section 17-43-13-4.

Drove iron bars on road in sections 16/20-39-12-4 and made check in sections 1/16/20-39-12-4.

Drove iron bars on road in sections 17/18/19-39-15-4.

Drove iron bars on diversion in south-east quarter of section 27 and north-east quarter of section 22-39-16-4.

Drove iron bars on road in section 8-46-20-4.

Drove iron bars on road in sections 27/28-39-3-5.

Drove iron bars on diversion in section 3-39-11-4.

Drove iron bars on road in sections 22/23-38-12-4.

Drove iron bars on diversion in south-west quarter of section 30-38-16-4.

Drove iron bars on road in sections 18/19/29/31-32-40-3-5, and sections 1/12/13-41-4-5 and made check in north-east quarter of section 18 and sections 29/32-40-3-5.

Drove iron bars on diversion in north-east 34-43-12-4, and made check in section 35-43-12-4.

Drove iron bars on diversion in sections 4/9-42-11-4 and made check.

Drove iron bars on diversion between sections 17/18-39-4-5.

Drove iron bars on diversion in north-east quarter of section 9 and south-east quarter of section 16-39-3-5.

Drove iron bars on diversion east of section 24-39-5-5, and made check.

Drove iron bars on diversion between sections 7/18-39-4-5.

Drove iron bars on road along blind line north of sections 13/18-47-20/21-4.

Drove iron bars on road along blind line north of section 13-39-5-5.

Dug mounds on east boundary of north-east quarter of section 10, and in north-east quarter of section 11 and north-west quarter of section 10-43-25-4.

Dug mounds on diversion in north-west quarter of section 36-33-5-5, and south-west quarter of section 2-34-5-5, and on diversions east of sections 4/9/16/-21/28/33-33-5-5 and checked diversion east of sections 4-9.

Dug mounds south of sections 2/3/4-33-5-5, and made check in section 4.

Dug mounds on diversion in north-west quarter of section 11 and west half of section 14-34-5-5.

Dug mounds on diversion in south-west quarter of section 29-40-26-4.

COAL MINES BRANCH

Inside staff	One clerk in charge.
Outside staff	Four inspectors

During the year several changes were made in the staff of inspectors. In March Mr Robert Livingstone resigned his position as Provincial Inspector of Mines to accept a position with the Alberta Railway & Irrigation Co., at Lethbridge, as superintendent of their mines, Mr. John T. Stirling being appointed provincial inspector and Mr. Elijah Heathcote who held the position of mine superintendent with the Crows Nest Pass Coal Co., at their Coal Creek mines, was appointed district inspector of mines with headquarters at Calgary.

In June Mr A. R. Wilson resigned his position as district inspector of mines at Lethbridge, and Mr John W. Powell, who held the position of mine superintendent with the McGillivray Creek Coal & Coke Co. at Coleman, was appointed as his successor.

In September, owing to the increase in the number of mines operating in the province, it was decided to appoint another district inspector, and consequently a rearrangement of districts was made necessary. Mr Elijah Heathcote was appointed district inspector

for the district west of Macleod, with headquarters at Macleod Mr. John W. Powell was transferred from Lethbridge to Calgary District, which is the district east and west of Calgary, south to Okotoks, and north to Wetaskiwin, and Mr. Andrew N. Scott was appointed district inspector with headquarters at Lethbridge. The Lethbridge district includes the district from Kipp east to Medicine Hat and from the south boundary of the province north to Reid Hill.

From the following comparison of outputs for the last few years, it will be seen that a steady development has been taking place in the coal mining industry in the province. The year 1910 shows an increase in output of 862,428 tons over the year 1909.

YEAR	Output in tons for N W T. (Alberta and Saskatchewan)	Output in tons Alberta
1901	346,649	.
1902	510,674	.
1903	622,939	.
1904	782,931	.
1905		811,228
1906		1,385,000
1907		1,834,745
1908		1,845,000
1909		2,174,329
1910		3,036,757

The above figures show that there has been an increase of 39.66 per cent over the 1909 output.

CLASSIFICATION OF OUTPUT OF COAL IN ALBERTA DURING THE YEAR 1910.

	TONS
Lignite coal	878,011
Bituminous coal	1,896,961
Anthracite coal	261,785
Coal used in coke production	196,249
Coke produced	121,578
Briquettes produced	108,996

The following table indicates how the Bituminous Coal and Coke outputs of the Province were disposed of:

TONS OF 2,000 LBS.	CROW'S NEST PASS DISTRICT		CALGARY DISTRICT	
	Coal	Coke	Coal	Coke
Sold for consumption in Alberta.	1,017,969	136	273,752	
Sold for consumption in other provinces	124,274	70,297		
Sold for export to the United States	215,976	51,144		
Total Sales . . .	1,358,219	121,575	273,752	
Used in making coke	196,249			
Used under colliery boilers	53,737		9,940	
Total for Colliery use	249,986		9,940	

The following table indicates how the Anthracite Coal and Briquette outputs of the Province were disposed of:

TONS OF 2,000 LBS	CALGARY	DISTRICT
	Coal	Briquettes
Sold for consumption in Alberta	40,091	89,383
Sold for consumption in other provinces	43,110	19,387
Sold for export to the United States	758	44
Total Sales	83,959	108,814
Used under colliery boilers	38,848	182

The following table indicates how the Lignite Coal output from the different Districts was disposed of:

TONS OF 2,000 LBS	Crows Nest Pass Dist	Calgary District	Lethbridge District	Edmonton District
	Coal	Coal	Coal	Coal
Sold for consumption in Alberta	5,891	45 408	169,649	217,833
Sold for consumption in other provinces	4,481	1 400	287,820	24,258
Sold for export to the United States	2,160		25,237	
Total sales	12,532	46,808	482,706	242,091
Used under colliery boilers	490	765	59,683	6,820

The following summary shows the Total Sales of Coke, Briquettes and Coal of the Province:

	Bitum- inous	Anthra- cite	Lignite	Briqu- ettes	Coke
Sold for consumption in Alberta	1,291,721	40,091	438,781	89,383	136
Sold for consumption in other provinces	124,274	43,110	317,959	19,387	70,297
Sold for export to the United States	215,976	758	27,397	44	51,144
Total sales	1 631,971	83,959	784,137	108,814	121 577

The following table shows the Classification of Persons employed above and below ground in the Bituminous, Anthracite and Lignite Fields:

CHARACTER OF LABOUR	AVERAGE NUMBER EMPLOYED.							
	Bituminous		Anthracite		Lignite		Total	
	Above	Below	Above	Below	Above	Below	Above	Below
Supervision and clerical assistance.	70	64	11	11	68	94	149	169
Miners and helpers		1341		177		1264		2782
Mechanics or skilled labour	233	47	35		160	14	428	61
Other employees	602	624	146	150	403	304	1151	1078
Total	905	2076	192	338	631	1676	1728	4090

SUMMARY OF STATISTICS.

Number of mines at present in operation	154
Number of new mines opened in 1910	42
Number of mines abandoned in 1910	7
Number of tons of coal mined	3,036,757
Number of tons of coke produced	196,249
Number of tons of briquettes produced	108,996
Average number of persons employed inside mines	4,090
Average number of persons employed outside mines	1,728
Number of persons employed inside the mines during December, 1910	4,714
Number of persons employed outside the mines during December, 1910	1,808
Number of separate accidents causing loss of life	29
Number of deaths caused by accidents inside the mines	59
Number of deaths caused by accidents outside the mines	2
Number of non-fatal accidents inside the mines	87
Number of non-fatal accidents outside the mines	11
Number of mine manager's certificates issued	9
Number of pit boss certificates issued	12
Number of fire boss certificates issued	38

MINES OPENED DURING 1910

NO	LOCATION	OPERATED BY	CHARACTER OF COAL
219	Big Prairie	H. W. Greenhall	Bituminous
220	Edmonton	Yellowhead Pass Coal & Coke Co., Ltd.	Semi-Bituminous
221	Riviere Qui Barre	Riviere Qui Barre Coal Co.	Lignite
222	Cowley	Wm. MacFarlane	"
223	Lethbridge	M. Adams & Sons & Diekhoff	"
224	Reid Hill	Henderson Bros.	"
225	Diamond City	John Thomas	"
226	Lethbridge	Bow Centre Collieries, Ltd.	"
227	Edmonton	Pembina Coal Co., Ltd.	"
228	Taber	Belly River Collieries, Ltd.	"
229	Taber	A. Fox	"
230	Cochrane	R. W. K. Cousins	"
231	Canmore	Kananaskis Coal Co., Ltd.	Bituminous
232	Bawlf	Bawlf Collieries, Ltd.	Lignite
233	Heatherwood	Pac. Pass Coal Fields, Ltd.	Bituminous
234	Taber	National Bow Collieries	Lignite
236	Medicine Hat	Levi Shook	"
237	Cardiff	Pierre Gervais	"
238	Bow Island	M. Simpson	"
239	Bow Island	A. C. Carlond	"
240	Halkirk	Kraus & Stiebritz	"
241	Camrose	Geo. Rakowski	"
242	Bawlf	C. P. Potter	"
243	Castor	Battle Axe Coal Mine	"
244	Camrose	R. L. Rushton	"
245	Hastings Coulee	N. K. Lund	"
246	Castor	A. D. McCormack	"
247	Lethbridge	Chinook Coal Co., Ltd.	"
248	Hastings Coulee	Bish Bros.	"
249	Wanda	J. M. Schares	"
250	Round Hill	Round Hill Collieries	"
251	Daysland	Julius Wilkinson	"
252	Tofield	Lee Coal Co.	"
253	Pincher Creek	A. D. McKinnon	Bituminous

MINES OPENED DURING 1910—*Continued.*

NO	LOCATION	OPERATED BY	CHARACTER OF COAL
254	Lethbridge	Geo. Heighes	Lignite
255	Gaetz Valley	T. D. Conger	"
256	Edmonton	Brazeau Collieries, Ltd	Bituminous
257	Fieldholme	Goodhall & Park	Lignite
258	Rose Lynn	A. C. Sinclair	"
259	Milk River	Erickson Bros	"
260	Wabamun	Wabamun Coal Co	"
261	Coleman	P. A. Paulson	Bituminous

MINES OPERATED DURING 1910

NO.	LOCATION	OPERATED BY	CHARACTER OF COAL
2	Canmore	H. W. McNeill Co., Ltd	Bituminous
3	Lethbridge	Alberta Ry. & Irrigation Co., Ltd.	Lignite
8	Clover Bar	Wm. Daly	"
9	Clover Bar	Clover Bar Coal Co., Ltd	"
28	Namoo	Ingram & Osborne	"
29	Strathcona	White Star Coal Co	"
30	High River	A. D. McPherson	"
32	Cardiff	Cardiff Collieries, Ltd	"
37	Medicine Hat	H. & W. Ansley	"
40	Hillcrest	Hillcrest Coal & Coke Co., Ltd	Bituminous
43	Edmonton	Humberstone Coal Co	Lignite
46	Edmonton	Love & Cameron	"
47	Strathcona	Strathcona Coal Co	"
48	Frank	Canadian Coal Consolidated, Ltd.	Bituminous
49	Edmonton	Edmonton Standard Coal Co., Ltd	Lignite
53	Carbon	Knee Hill Coal Co	"
54	Lethbridge	James Ashcroft	"
55	Lethbridge	G. F. Russell	"
56	Lethbridge	T. R. Baker	"
57	Pincher Creek	Thos. Nash	Bituminous
59	Lundbreck	Galbraith Coal Co., Ltd	Lignite
61	Medicine Hat	Fred Scott	"
64	Lille	West Canadian Collieries, Ltd	Bituminous
69	Clover Bar	Keith & Fulton	Lignite
70	High River	William Ellis	"
72	Gleichen	Blackfoot Indians.	"
74	Edmonton	Milner & Shoeman	"
77	Lundbreck	Breckenridge & Lund Coal Co	"
80	Bankhead	Bankhead Mines, Ltd	Anthracite
82	Taber	Eureka Coal Co., Ltd	Lignite
87	Bellevue	West Canadian Collieries, Ltd	Bituminous
88	Coleman	International Coal & Coke Co., Ltd	"
89	Edmonton	Western Coal Co	Lignite
90	Clover Bar	Byers Bros. Coal Co	"
91	Clover Bar	R. P. Ottewell	"
92	Royal View	Royal Collieries, Ltd	"
99	Edmonton	Manders Bros	"
101	Namoo	Lindsay Bros	"
104	Diamond City	Diamond Coal Co., Ltd	"
105	Taber	Canada West Coal Co	"

MINES OPERATED DURING 1910—Continued.

NO.	LOCATION	OPERATED BY	CHARACTER OF COAL
106	Taber.	Domestic Coal Co .	Lignite
110	Namao	Murdoch Sutherland	"
112	Three Hills	Three Hills Coal & Dev. Co . Ltd	"
113	Three Hills	Nicholls & Abriel . .	"
114	Taber	John Howells	"
115	Carbon	Dodds, Currie & Hoding	"
116	Three Hills	Chas. Catchpole	"
120	Loch Sloy	J. E. Chromister	"
126	Passburg	Leitch Collieries, Ltd .	Bituminous
129	Cardiff	Alberta Coal Mining Co., Ltd	Lignite
130	Taber	Alberta Consolidated Coal Co., Ltd.	"
131	Taber	Enterprise Coal Co .	"
132	Taber	Canadian Pacific Railway	"
133	Bellevue	Maple Leaf Coal Co . .	Bituminous
134	Reid Hill	Samuel Henderson .	Lignite
135	Lethbridge	Durham Collieries . .	"
136	Long Coulee	H. Therriault	"
137	Reid Hill	W. J. Greenaway	"
142	Three Hills	Geo. Watson	"
143	Bowville	W. J. Bell .	"
145	Pincher Creek	Pincher Creek Coal Mining Co., Ltd	Bituminous
147	Edmonton	Ritchie Coal Co .	Lignite
148	Edmonton	Stoney Creek Coal Co	"
149	Tofield	J. J. McDevitt . .	"
150	Tofield	Tofield Coal Co., Ltd .	"
151	Thigh Hill .	Brown & Northey.	"
153	Burmis	Davenport Coal Co	Bituminous
154	Grassy Lake	Sask. Alberta Collieries, Ltd	Lignite
155	Edmonton	Dawson Coal Co	"
157	Taber	Southern Alberta Coal Co	"
162	Magrath	Magrath Coal Co	"
163	Taber	J. E. Shirts	"
165	Medicine Hat	Red Cliff Brick & Coal Co	"
166	Content	J. P. Dweak	"
167	Content .	R. W. K. Cousins .	"
168	Nevis	Crystal Coal Co . .	"
170	Taber	Rock Springs Sootless Coal Co., Ltd	"
174	Lethbridge	Lethbridge Collieries, Ltd	"
177	Strathecona	Twin City Coal Co., Ltd	"
178	Namao	Nash & Williams	"
179	Coutts	Jos. Oborn	"
180	Grassy Lake	J. J. Mills	"
181	Taber	Monarch Collieries, Ltd	"
183	Camrose	Camrose Coal Co	"
184	Pincher Creek	Rolla B. Good	Bituminous
185	Bow Island	D. H. Long	Lignite
186	Bow Island	N. Wallwork .	"
187	Carbon	Poxon & Bayson	"
189	Carbon	Hedstrom Bros	"
192	Lethbridge	City of Lethbridge	"
193	Blairmore	West Canadian Collieries, Ltd	Bituminous
194	Ghost Pine Creek	Campbell & Cook	Lignite
195	Lethbridge	Standard Lethbridge Collieries, Ltd	"
196	Namao	Dawkins, Speers & Richardson	"
197	Lethbridge	Big Bow Collieries, Ltd	"
198	Thigh Hill	William Ellis	"
199	Pincher Creek	Western Coal & Coke Co., Ltd	Bituminous
200	Medicine Hat	Ab. Day	Lignite
201	Taber	Golden West Coal Mining Co	"
202	Taber	Superior Coal Co	"
203	Lethbridge	New Barnes Mine Co.	"
204	Coleman	McGillivray Creek Coal & Coke Co	Bituminous
205	Bow Island	A. A. Lindquist	Lignite
207	Burmis	Carbon Hill Coal & Coke Co	Bituminous

MINES OPERATED DURING 1910—*Continued*

NO	LOCATION	OPERATED BY	CHARACTER OF COAL
209	Burmis	Head Syndicate, Ltd. (Prospect).	Bituminous
210	Burmis	Fernie Syndicate, Ltd (Prospect)	"
211	Stettler	Duncan & Richards	Lignite
212	Higgins	C. Hilker	"
213	Taber	S. Ervine	"
214	Three Hills	Dick & Halbert	"
215	Strathcona	E. W. MacKenzie	"
217	Lethbridge	Alex. McWilliams (Prospect)	"
218	Reid Hill	James M. Roebuck	"
219	Big Prairie	H. W. Greenhill	Bituminous
220	Edmonton	The Yellowhead Pass Coal & Coke Co., Ltd	Semi-Bituminous
221	Riviere Qui Barre.	Riviere Qui Barre Coal Co	Lignite
222	Cowley	Wm. MacFarlane	"
223	Lethbridge	M. Adams & Sons & Diekhoff	"
224	Reid Hill	Henderson Bros	"
225	Diamond City	John Thomas	"
226	Lethbridge	Bow Centre Collieries, Ltd	"
227	Edmonton	Pembina Coal Co, Ltd	"
228	Taber	Belly River Collieries, Ltd	"
229	Taber	A. Fox	"
231	Canmore	Kananaskis Coal Co., Ltd	Bituminous
232	Bawlf	Bawlf Collieries, Ltd	Lignite
233	Heatherwood.	Pac. Pass Coal Fields, Ltd	Bituminous
234	Taber	National Bow Collieries	Lignite
236	Medicine Hat	Levi Shook	"
237	Cardiff	Pierre Gervais	"
238	Bow Island	M. Simpson	"
239	Bow Island	A. C. Carlond	"
240	Halkirk	Karaus & Stiebritz	"
241	Camrose	Geo. Rakowski	"
242	Bawlf	C. P. Potter	"
243	Castor	Battle Axe Coal Mine	"
244	Camrose	R. L. Rushton	"
245	Hastings Coulee	N. K. Lund	"
246	Castor	A. D. McCormack	"
247	Lethbridge	Chinook Coal Co., Ltd	"
248	Hastings Coulee	Bish Bros	"
249	Wanda	J. M. Schares	"
250	Round Hill	Round Hill Collieries	"
251	Daysland	Juhus Wilkinson	"
252	Tofield	Lee Coal Co	"
253	Pincher Creek	A. D. McKinnon	Bituminous
254	Lethbridge	Geo. Heighes	Lignite
255	Gaetz Valley	T. D. Conger	"
256	Edmonton	Brazeau Collieries, Ltd	Bituminous
257	Fieldholme	Goodhall & Park	Lignite
258	Rose Lynn	A. C. Sinclair	"
259	Milk River	Erickson Bros	"
260	Wabamun	Wabamun Coal Co. (Prospect)	"
261	Coleman	P. A. Paulson (Prospect)	Bituminous

MINES ABANDONED DURING 1910

- Mine No 103 —Operated by Simon Downie & Son, Carstairs, section 19, township 29, range 5w5.
 Mine No 109 —Operated by Harper Coal Co., Edmonton, River Lot 22
 Mine No 125 —Operated by Ketchum Coal Co., Edmonton, north-west quarter of section 7, township 53, range 23w4.
 Mine No. 176 —Operated by Ashworth Townsley, Magrath, section 2, township 7, range 2w4.
 Mine No 190 —Operated by R. B. Durrant, Livingstone, north-west quarter of section 36, township 8, range 2w5.
 Mine No. 206.—Operated by Burdett City Coal Co., Burdett, section 23, township 10, range 12w4
 Mine No 230 —Operated by R. W. K. Cousins, Cochrane, south-east quarter of section 6, township 26, range 4w5.

LIST OF CANDIDATES who Successfully Passed the Examinations
in 1910

NAME	ADDRESS	NO. OF CERT.
MINE MANAGERS		
Alderson, Fred D	Hosmer, B.C	Deceased
Ashburner, Edward	Lethbridge	40
Baxter, Andrew W	Lethbridge	47
Christianson, Peter	Edmonton	48
Macaulay, D. A	Coleman	42
McCullough, James	Corbin, B.C.	41
Russell, John	Clover Bar	44
Saville, Enoch O	Taber	45
Shaw, William	Canmore	46
Stewart, Robert T	Fernie, B C	50
Thomas, J. I	Edmonton	49
PIT BOSSES.		
Clemenson, John	Bankhead	58
Cooke, Joseph	Burmis	66
Gilliland, Wilham	Strathecona	61
Hallworth, Albert	Bellevue	65
Lee, Robert John	Grassy Lake	56
Miard, Harry E.	Coal Creek, B.C.	64
McDonald, Duncan	Canmore	60
Oliphant, J H	Bellevue	59
Park, Stewart Gray	Lethbridge	57
Parker, Levi	Maple Leaf	
Sloan, Thomas	Burmis	67
Taylor, Tom	Hillcrest	62
Winter, Archibald	Strathecona	63
FIRE BOSSES.		
Adlam, W	Hillcrest	108
Archer, R	Hillcrest	132
Blake, H	Bellevue	133
Bradley, T	Hillcrest	138
Briscoe, D	Hillcrest	117
Carson, James	Frank	120
Clemenson, J	Bankhead	105
Crawford, G	Hillcrest	
Crockett, L	Hillcrest	131

LIST OF CANDIDATES who successfully passed the Examinations in
1910—*Continued.*

NAME	ADDRESS	NO OF CERT
Davies, T. O	Coleman	109
Fisher, S	Maple Leaf	
Gillespie, J	Coleman	111
Gregory, B	Passburg	128
Gwilliam, J	Hillcrest	130
Hartley, W	Bankhead	110
Heathcock, S	Frank	Deceased
Henderson, J	Reid Hill	134
Henderson, S	Reid Hill	136
Hill, J	Royal View	114
Hulme, C	Hillcrest	124
Hutton, J	Bellevue	135
Jones, Jack	Cardiff	127
McDevitt, J	Fosfield	129
McDonald, H	Bankhead	115
McDonald, Duncan	Canmore	112
McMillan, D	Coleman	107
O'Donnell, T	Maple Leaf	
Patterson, John	Hillcrest	126
Park, Stewart	Lethbridge	121
Parry, Tom	Hillcrest	119
Rayner, F	Passburg	
Richards, G	Coleman	137
Richardson, A	Lethbridge	125
Roberts, J	Frank	
Robinson, J. H	Hillcrest	106
Roberts, E	Passburg	118
Rowbotham, W. H	Royal View	116
Shaw, T. J	Canmore	113

CERTIFICATES issued by Government of the North-West Territories
and by Government of the Province of Alberta
previous to 1910

NAME	ADDRESS	NO OF CERT
MINE MANAGERS		
Addie, W	Lundbreck	*19
Aspinall, F	Bellevue	*22
Bradshaw, G. B	Nanaimo, B. C.	*61
Broome, G. H	New Zealand	*46
Bastian, J	Taber	*43
Brown, J	Canff	*18
Colville, A		Deceased
Collins, W. F	Blairmore.	*24
Coulthard, R. W	Blairmore	†8
Church, J. A. H	Frank	†11
Cunningham, G. F	Edmonton	†7
Crowder, J	Coleman	†38
Darbyshire, J	Bellevue	†35
Davidson, W. A	Coleman	†25
Dickson, G. H	Coleman	†3

CERTIFICATES issued by Government of the North-West Territories
and by Government of the Province of Alberta
previous to 1910 —*Continued.*

NAME	ADDRESS	NO. OF CERT.
Dunn, A. C	Edmonton	†18
Elliott, D.	Blairmore	*20
Emmerson, C	Bellevue	*49
Emmerson, J	Frank	*50
Evans, D	Michel, B.C	*1
Ellis, W	Nanton	†15
Evans, D	Michel, B.C	**14
Flint, W. G	Canmore	*56
Finlayson, J	Frank	*30
Fraser, N.	Michel, B.C	*1
Fraser, G. L	Coleman	†1
Graham, C	Nanaimo, B.C	†7
Green, R	Blairmore	*58
Hamilton, W. L	Passburg	*4
Hamilton, R	Lundbreck	†4
Heathcote, E	Coal Creek, B.C	*23
Henrietta, C. M	Byseville, Ohio	*26
Hardie, W. D. L	Lethbridge	*2
Hart, J	Edmonton	†23
Harrison, S	Lethbridge	†16
Hargreaves, J	Taber	*9
Horne, T	Coleman...	†6
Horne, R	Coleman	†12
Huntrods, E. S. F	Taber	†3
Holden, J	Bankhead	†14
Hargreaves, J	Taber	**48
Jones, S. A	Lethbridge	*57
John, J.	Fernie, B.C	*44
Keith, T	Taber	†20
Kerr, A	Tonkin, B.C.	*27
Knox, T. K	Coal Creek, B.C	†28
Lewellyn, D. R	Michel, B.C	*42
Little, J	Coalfields	*5
Little, W. F	Canmore	†4
Livingstone, R	Edmonton	*16
Manley, H. L	Fernie, B.C	*41
Marsh, J	Taber	†6
Morris, C	Frank	*12
Morris, J. J	Canmore	*3
Morton, T. R	(Deceased)	*63
Moore, S. M	Bankhead	†26
Maxwell, W	Pincher Creek	†27
McDonald, J. R	Medicine Hat	†29
McEvoy, J..	Fernie, B.C	*17
McLean, D	Ladysmith, B.C	*62
McLenhan, J. A	Strathcona	†39
McVicar, S	Pincher Creek	*59
McMillan, J. H	Lethbridge	†17
Parker, J. L	Alaska	*25
Pearson, R. N	Frank	*38
Pearson, R	Fernie, B.C	*11
Powell, J. W	Coleman	*60
Quigley, J. S	Hillcrest	†21
Raisbeck, L.	Taber	*47
Reynolds, E. E	Lethbridge	*33
Reid, T	Northfield	†5
Richards, C. C	Bankhead	†36
Richards, J. A	Edmonton	*39
Robertson, J.	Frank	†2
Robertson, J	Lundbreck	†9
Russell, T.	Victoria, B.C..	*45

CERTIFICATES issued by Government of the North-West Territories
and by Government of the Province of Alberta
previous to 1910.—*Continued.*

NAME	ADDRESS	NO. OF CERT.
Scott, A	Strathcona	†5
Scott, A N	Edmonton	†19
Shanks, J	Michel, B.C	
Sharpe, A	Rossland, B C	*53
Shepherd, F H	Nanaimo, B C	*34
Shone, S	Coleman	†33
Stevens, L C	Coal Creek, B C	†31
Stirling, J T	Edmonton	†8
Stockett, L	Bankhead	*51
Stockett, T. R., Jr	Nanaimo, B C	*10
Smith, F. B	Edmonton	*7
Strachan, R	Fernie, B C	*31
Simmister, C	Fernie, B C	*21
Sparrow, E	Lundbreck	†13
Symons, C C	Coalfields	*37
Thain, H S	Royal View	†34
Thorne, B L	Hosmer, B C	†32
Waite, A	Taber	*15
Wall, W H	Nanaimo, B C	*32
Wark, S. D	Fernie, B C	†37
Watters, J	Bankhead	†30
Weatherby, C	Hillcrest	†2
White, E. P	Lethbridge	*8
Whiteside, O E. S	Coleman	*6
Williams, W. P	Bellevue	*36
Wilson, A R	Lethbridge	*28
Wilson, D G	Hosmer, B C	*22
Williams, T H	Passburg	†10
Wilkinson, G	Nanaimo, B.C	*54
Wright, H. B	Fernie, B C	*40
Wylie, J. B	(Deceased)	*13
Coulthard, R W	Blairmore	**24
Drinnan, R. G	Fernie, B.C	*29
Mills, Thos	Nanaimo, B.C	*35
PIT BOSSES		
Anderson, J	Bellevue	†2
Aspinall, F	Bellevue	†27
Bamling, J	Diamond City	†44
Bastian, T. W	Bankhead	*27
Bastian, J	Taber	*21
Bowie, J	Frank	†4
Chestnut, C	Blairmore	**30
Churchill, J	Frank	
Clay, E	Oxville	†28
Clark, J. C	Blairmore	†49
Clyne, J	Canmore	
Corkill, T	Michel, B C	*13
Crowder, J	Coleman	†10
Davies, T	Frank	
Davies, D	Coleman	*31
Davis, A	Lethbridge	*4
Davis, J	Lethbridge	†31
Davies, S	Coal Creek, B C	†18
Davies, J.	Coleman	†11
Dixon, S	Lille	†24
Duggan, R G	Taber	*19
Dunn, J. P	Strathcona	†9
Eccleston, W	Michel, B C	†16
Emmerson, C	Bellevue	*3

CERTIFICATES issued by Government of the North-West Territories
and by Government of the Province of Alberta
previous to 1910.—*Continued.*

NAME	ADDRESS	NO OF CERT.
Fraser, G. L	Coleman	*25
Flint, W G	Canmore	*16
Foster, W R	Michel, B.C	†51
Francis, J	Taber	†29
Fox, A	Taber	†42
Giffen, H R	Coalfields	*14
Green, R	Blairmore	*17
Hall, O	Bellevue	*26
Harvie, R	Lethbridge	†1
Hutchinson, A. M	Coleman	†6
Horne, R	Coleman	†12
Horswell, J	Cardiff	†34
Howells, N	Michel, B.C	. .
Johnson, M	Taber	†46
Jones, D	Strathcona	†48
Jones, S A	Lethbridge	*18
Kellock, G	Coleman	†39
Kerr, J	Taber	*33
Livingstone, R	Edmonton	*6
Livingstone, J C	Lethbridge	*5
Lowrie, R	Frank	*34
Lowrie, R	Frank	**4
Miller, J K	Michel, B.C	*29
Moore, Y. E	Eyremore	†47
Morgan, D	Edmonton	†17
Morris, J	Lundbreck	†8
Musgrove, J	Canmore	**9
Musgrove, W	Canmore	*32
Musgrove, J	Canmore	*2
McLenhan, J. A	Strathcona	†33
McKay, D	Bankhead	†3
McKean, J. W	Lethbridge	*24
McKelvie, J	Hosmer, B C	†43
McGregor, A	Frank	†1
McVicar, S	Pincher Creek	*23
Nicol, J	Frank	†36
Oetheidt, G	Cardiff	*1
Parsons, T. L	Edmonton	†26
Pearson, R. N	Frank	*15
Phillips, C	Frank	*20
Prentice, J	Lille	†45
Pickles, W	Edmonton	†35
Rankin, Geo	Michel, B C	†41
Roberts, E. I	Strathcona	
Roberts, D. E	Coleman	†14
Rice, A	Frank	†2
Scott, H	Lethbridge	*7
Scott, A. N	Edmonton	†19
Sequin, J A	Estevan	*22
Shaw, W	Canmore	†21
Shone, S	Coleman,	†23
Sihvon, W	Bellevue	†40
Sparrow, E	Lundbreck	†7
Steel, T	Coleman	*12
Stewart, J. M	Ferne, B C	†50
Teppo, H	Bellevue	†15
Thain, H. S	Lethbridge	†32
Thomas, D	(Deceased)	*28
Thomas, J	Diamond City	†30
Thomas, J. D	Hosmer, B C	†37
Waite, A	Taber	*10

CERTIFICATES issued by Government of the North-West Territories
and by Government of the Province of Alberta
previous to 1910—*Continued*

NAME	ADDRESS	NO. OF CERT.
Watters, J	Bankhead	†22
Watkins, W E	Lille	†20
Watson, W	Coleman	†13
Weatherby, C	Hillcrest	*11
Whitelaw, T	Coleman	†25
Williams, T H	Canmore	*8
Wilson, W. G	Coleman	†3
Wright, J. S	Canmore	†38
FIRE BOSSES.		
Alderson, R D	Coleman	†17
Anderson, J	Frank	*13
Ashurst, W	Coleman	†82
Aspinall, F	Bellevue	†32
Bansemmer, R	Bankhead	†14
Bastian, T. W	Bankhead	*30
Barber, J	Frank	†7
Barnes, B. J	Coal Creek	†92
Besso, A	Canmore	†80
Blake, P	Lundbreck	†23
Boulton, W. E	Bankhead	†48
Brownrigg, J H	Frank	†35
Brown, T	Bankhead	†24
Brovey, A. C	Edmonton	†64
Burrows, C	Frank	†40
Catchpole, C	Three Hills	†2
Cawthorne, L	Frank	*46
Chestnut, C	Blairmore	*28
Churchill, J	Frank	*45
Clark, J. C	Blairmore	†33
Clyne, J	Canmore	†65
Cooke, J	Bankhead	†4
Cole, J. J	Bankhead	†66
Cowan, W	Bankhead	*4
Davies, W. J	(Deceased)	*16
Davies, T	Frank	*49
Devonshire, G	Canmore	†31
Dixon, S	Lille	†18
Downs, T	Canmore	*24
Downs, T	Canmore	**6
Duggan, R G	Taber	*27
Duggan, E J	Taber	†41
Eccleston, W	Michel, B.C	†20
Evans, D	Frank	†83
Evans, H	Taber	†94
Fairhurst, H.	Lethbridge	*39
Ferguson, C. J	Canmore	†4
Fiske, G. E	Edmonton	†88
Fox, A.	Taber	†55
Fowers, C W	Canmore	†50
Fraser, Jas	Coleman	†8
Gates, H	Coleman	*26
Gatass, R	Long Coulee	†85
Giffen, H R	Coalfields	*19
Gilliland, W	Strathcona	
Gladwin, J	Edmonton	†97
Griffiths, T J	Lille	†77
Griffiths, E. H	Canmore	*33
Hadfield, J	Coleman	**21
Hadfield, J	Canmore	*23

CERTIFICATES issued by Government of the North-West Territories
and by Government of the Province of Alberta
previous to 1910—*Continued.*

NAME	ADDRESS	NO. OF CERT.
Hallworth, A. . . .	Bellevue	†52
Haines, T.	Coleman	*37
Hamilton, C. . . .	Edmonton.	†36
Hannen, J.	Canmore	†1
Harvie, R.	Lethbridge.	*40
Harrison, T.	Bankhead	*29
Harvie, J.	Taber	†68
Hayes, R.	Lundbreck	†60
Henderson, W. . . .	Minot	†61
Higgins, A.	Bankhead.	†25
Hilling, J.	Coleman	†43
Hood, A.	Frank	*20
Holmes, G. E. . . .	Ferne, B.C.	*15
Holden, J.	Bankhead.	†13
Humble, S. T. . . .	Bellevue	†29
Hutton, I.	Bellevue	†99
James, D.	Pincher Creek	..
James, J.	Frank	*25
James, H.	Coleman	†53
Jones, E.	Frank	*47
Jones, S. A.	Lethbridge.	*17
Jones, E.	Coalfields	*12
Jones, D.	Strathcona	†69
Kerr, W. R.	Coleman	†89
Kerr, R.	Lundbreck	†76
Kerr, R. T.	Passburg	†75
Kirkeberg, H. S. . .	Michel, B.C.	†87
Lamont, D.	Frank	†98
Love, W.	Edmonton	†86
Livingstone, J. C. .	Lethbridge	*18
Livingstone, R. . .	Edmonton	*7
Learmonth, A. J. . .	Lundbreck	†42
Mather, T.	Taber	†96
Mattson, M.	Frank	*34
Machin, J. C. . . .	Ellerslie	†46
Morris, D.	Edmonton	†45
Moore, T. E.	Eyremore	†56
Musgrove, W. . . .	Canmore	*9
McDonald, W. . . .	Royal View	..
McDonald, N. . . .	Frank	...
McDonald, J. A. . .	Lille	†91
McDonald, J. A. . .	Frank	*44
McCullouch, A. . . .	Frank	*43
McGregor, A.	Frank	*41
McKay, J. J.	Lethbridge	*5
McKinnon, H. G. . .	Canmore	*36
McKinnon, A. J. . .	Canmore	†62
McGarry, M.	Michel, B.C.	†59
McLeary, S.	Lethbridge	†58
McLenhan, J. A. . .	Strathcona	†51
McMillan, W. D. . .	Taber	†72
MeVey, W.	Frank	†39
Nanson, T. H. . . .	Canmore	†15
Nelson, H.	Lundbreck	†11
Nicol, J.	Frank	†34
Oliphant, J.	Bellevue	†79
Oliphant, J. H. . .	Bellevue	†26
Parker, L.	Bellevue	†100
Pickering, G.	Taber	...
Picton, W.	Frank	†78
Powell, A. E. . . .	lover Bar	†71

CERTIFICATES issued by Government of the North-West Territories
and by Government of the Province of Alberta
previous to 1910—*Continued.*

NAME	ADDRESS	NO. OF CERT.
Pounder, G	Pincher Creek	†84
Phillips, C	Frank	*14
Prentice, J	Lille	†67
Rawson, T S	Frank	†1
Rice, A	Frank	*48
Roberts, W	Strathcona	†95
Rose, W	Lundbreck	†54
Salmond, J. M	Bankhead	†6
Sedlock, J	Canmore	*22
Scott, H	Lethbridge	*8
Scott, R	Lethbridge	*6
Scott, A. N	Edmonton	†28
Sihvon, W	Bellevue	†27
Singleton, R	Lundbreck	†47
Smith, A. J. P	Lundbreck	
Smith, H	Canmore	*35
Smith, R	Canmore	*32
Smith, R	Canmore	†3
Sparrow, E	Lundbreck	†2
Stott, J	Lethbridge	*38
Spencer, W. J	Bankhead	**51
Taylor, Wm	Lethbridge	*10
Taylor, T	Lundbreck	†30
Teppo, H	Bellevue	†19
Thomas, D	(Deceased)	*31
Thomas, J. J	Frank	†74
Thomas, J. D	Bankhead	†81
Thompson, T	Frank	†93
Thompson, T	Lundbreck	†16
Tonge, T	Lundbreck	†5
Turner, S. H	Frank	*21
Turner, S. H	Frank	**22
Vola, S	Canmore	†63
Watters, J	Bankhead	†5
Watters, A. G	Bankhead	†49
Watkins, J. W	Canmore	*3
Watkins, W. E	Canmore	*1
Waite, A	Taber	*11
Webb, J. F	Canmore	*42
Wilson, J	Canmore	*2
Wilson, W. G	Coleman	†3
Willmott, W	Canmore	†38
Welsh, W	Lundbreck	†9
Weston, T	Strathcona	†73
Wright, J. S	Canmore	†12
Wrigley, W	Frank	†37
White, H	Frank	†90
Young, T	Taber	†57
Young, S	Cardiff	†101

*Certificates issued by Government of the North-West Territories under The Coal Mines Regulations Ordinance.

†Certificates issued by Government of the Province of Alberta under The Coal Mines Act.

‡Certificates issued by Government of the Province of Alberta under The Coal Mines Act

**Duplicate Certificates issued by Government of the North-West Territories, and certificates issued by the Government of the Province of Alberta under Section 17 of The Coal Mines Act.

EDMONTON, January 15, 1911.

JOHN STOCKS, ESQ.,
Deputy Minister of Public Works,
 Edmonton, Alta

SIR,—As Provincial Inspector of Mines, I have the honour to submit herewith my annual report for the year ending December 31, 1910.

Considerable development has taken place in the coal mining industry in the province, in both the lignite and bituminous fields, but more especially in the bituminous field. A number of new mines have been opened up, and while a large percentage of them are not yet large producers it is expected that during the year 1911 there will be a still greater activity shown in the coal mining industry.

In the Lethbridge District the Alberta Railway & Irrigation Co., Ltd., have commenced development of their No. 6 mine on a large scale. The Diamond Coal Co. are also pushing ahead with development work and have made additions to their plant. The Lethbridge Collieries, Ltd., have sunk two shafts and are equipping for an output of about 2,000 tons per day. Shafts are also being sunk by the Chinook Coal Co. in this district.

In the Taber District considerable development has taken place, although the majority of the mines are being operated on a small scale. Coal cutting machinery is being largely adopted in this field, thus allowing a larger output to be produced with the same number of persons.

In the Crows Nest Pass District a large development has also taken place, and although there have been no new mines opened up the output from this district has increased considerably. The Leitch Collieries, Ltd., are carrying on a large development in their No. 2 North Mine and are erecting one hundred coke ovens and a washer. At Blairmore a new mine opened up by the West Canadian Collieries, Ltd., is also being rapidly developed. The McGillivray Creek Coal & Coke Co., Ltd., have completed the installation of a new tippie and plant. The West Canadian Collieries, Ltd., have completed the installation of a new tippie and electric machinery at their Bellevue mine. The Davenport Coal Co. have also been installing a tippie and plant at the mine opened up last year by them at Burmis.

In the Pincher Creek District the Western Coal & Coke Co., Ltd., are employing sixty men and are developing their mine so as to be able to handle a large output when they get railway facilities.

Considerable activity has taken place in the district west of Edmonton, five companies have been mining on their respective properties during 1910, and it is expected that as soon as railway connections are made with these different properties a large quantity of coal will be produced. The following is a summary of development work which has taken place at the different mines in the various districts during the past year:

CALGARY DISTRICT.

Bankhead Mines, Ltd., Bankhead.

Authorized Capital. \$1,000,000 00.

President: R. B. Angus.

Directors: W. H. Aldridge, E. B. Osler, R. S. Angus, C. R. Hosmer and W. D. Mathews.

Secretary: A. R. G. Heward.

Treasurer: B. T. Coon.

Head Office: Montreal.
 Mine Office: Bankhead, Alta.
 General Manager: Lewis Stockett.
 Mine Manager: S. M. Moore
 Mining Engineer: Robert Archibald.
 Master Mechanic: James Stephen.
 Pit Boss: Donald McKay.
 Fire Bosses: Alfred Higgins, Alexander Watters, John Clemenson, Hector McDonald, William Hartley and John Watters.

Two 7 in. x 14 in compressed air locomotives, one surface condenser with 2,000 sq. ft. of cooling surface and one L. P. air compressor have been installed. A tunnel is being driven across the measures. This tunnel has been driven a distance of 3,000 feet. Another rock tunnel is being driven, which will be used as a haulage road from Nos 4, 5 and 6 seams. The use of explosives is still being discontinued as far as possible, and where it is necessary to use an explosive only Monobel powder is being used. The use of this powder has added greatly to the safety of the mine and has also increased the percentage of lump coal produced.

The H. W. McNeill Co., Ltd., Canmore

Authorized Capital: \$50,000.00.
 President: W. A. McNeill.
 Directors: W. A. McNeill, W. F. McNeill and W. F. Little.
 Secretary: W. F. McNeill.
 Treasurer: W. F. Little.
 Head Office: Canmore, Alta.
 General Manager: W. F. McNeill.
 Mine Manager: J. J. Morris.
 Mining Engineer: W. G. Flint.
 Master Mechanic: H. W. Evans.
 Pit Bosses: Wm Musgrove and Wm. Shaw.
 Fire Bosses: A. J. McKinnon, Chas. Fowers, Jas. Clyne, Duncan McDonald, Hugh Smith, S. Vola and Thomas J. Shaw.

One 6 in x 10 in Porter compressed air locomotive has been installed at this mine. A slope is being sunk from the surface to the Sedlock seam for a return airway for No. 1 mine. The airways in both Nos. 1 and 2 mines have been enlarged and re-timbered. A tunnel is being driven in No. 1 mine from No. 1 seam to intercept No. 3 seam.

The Bawlf Collieries, Ltd

Authorized Capital: \$500,000.00.
 President: I. W. T. McEachern.
 Directors: A. P. Coe, I. W. T. McEachern, P. R. Thompson, K. O. Egan and P. O. Paulson.
 Secretary-Treasurer: P. R. Thompson
 Head Office: Bawlf, Alta.
 Mine Office: Bawlf, Alta.
 General Manager: A. P. Coe.
 Master Mechanic: H. Pallot.
 Pit Boss: T. Parsons.

This company have located a mine on section 10, township 46, range 18, west of the 4th meridian, and have sunk a shaft 5½ ft x 9 ft to a depth of 130 ft. The following machinery has been installed: Two 100 h p return tubular boilers, one 50 h p hoist, three duplex steam pumps, wash-house, blacksmith shop, office, boarding house, etc., have also been erected. Arrangements are being made by this company to develop and equip this mine so as to produce a moderately large output.

There are ten mines operating in the Carbon and Three Hills District, all of which are being worked on a small scale owing to the lack of transportation facilities; the amount of coal produced being regulated entirely by the local demand. This coal is of an excellent quality for domestic use. The seams are easily accessible, lying practically horizontal and overlaid by shale and sandstone which forms a fairly good roof. With the coming of the railway, which it is expected will be built through this part of the country during the present year, a largely increased output is to be expected. Preparations are being made in this district for the installation of machinery at various mines so that they will be in a position to produce a fairly large output when the railway is completed.

Only one or two mines are being operated in the High River District and on a very small scale. The coal is of a semi-bituminous nature and of good quality, and varies from five feet to eight feet in thickness, but owing to the lack of transportation facilities very little is being done in this district. Machinery has been installed by the Black Diamond Collieries near Okotoks, and preparations are being made to sink a deeper shaft and do a large amount of development work underground.

A number of small mines have also been opened up along the Wetaskiwin and Lacombe branches, but as the output of these mines is entirely regulated by local demand, they only work for about six months in the year. In the Fieldholme District a mine has been opened up on sections 6 and 7, township 23, range 14, west of the 4th meridian. The coal seam is 5 ft. 6 in. thick and makes a very good domestic coal. Considerable prospecting has also been done along the north side of the Red Deer River and quite a number of parties have located coal lands in this district.

EDMONTON DISTRICT.

In the Edmonton District a number of mines have been opened up and some of them are becoming fairly large producers. At Clover Bar a number of these mines have now got transportation facilities on the railway and are largely increasing their output.

Humberstone Coal Co., Clover Bar.

Head Office: Edmonton, Alta.
General Manager: E. E. Brewer.
Mine Manager: John A. McLenhan.
Pit Boss: Daniel Morgan.

This company have installed at their mine a hoisting engine and saw mill, and have also erected a tippie. A spur line has been laid to the mine from the Grand Trunk Pacific Railway.

Twin City Coal Co., Strathcona.

Authorized Capital: \$600,000.00.
President: R. L. McIntyre
Directors: R. L. McIntyre, J. A. Morden, J. Mackrel, Oliver Baird and James M. Sinclair.
Secretary-Treasurer: James M. Sinclair.
Head Office: 561 Continental Life Bldg., Toronto, Ont.
General Manager: R. W. Wilson.

This mine which was closed down for a number of months has been reopened and a screening plant capable of handling five hundred tons per day is being installed. A circular shaft eight feet in diameter lined with brick work is being sunk for ventilating purposes.

Edmonton Standard Coal Co , Ltd , Edmonton.

Authorized Capital: \$500,000.00.
 President: H. Waddington.
 Directors: W. G. Ellis and Wm. Munns.
 Secretary-Treasurer: Wm. Munns.
 Head Office: Toronto, Ont.
 Mine Manager: F. B. Smith.
 Pit Boss: David Morris.

A considerable amount of development has taken place at this mine and a Sheldon fan capable of producing 40,000 cubic feet of air per minute has been installed.

The Alberta Coal Mining Co , Ltd , Cardiff.

Authorized Capital: \$250,000.00.
 President: James L. Bell.
 Directors: James L. Bell, Walter L. Carter and Geo. S. Montgomery.
 Secretary-Treasurer: Geo. S. Montgomery.
 Head Office: Edmonton, Alta.
 Mine Manager: James Hargreaves.

New screens have been erected at this mine and preparations made for handling a large output.

Pacific Pass Coal Fields, Ltd , Edmonton.

President: E. B. Greenshields.
 Directors: Hon. Robt. McKay, W. Molson McPherson, J. T. Ross, H. A. Lovett, J. W. McConnell, F. L. Franklyn, A. H. Cook, R. Brutinel and A. DeBermis.
 Secretary-Treasurer: Geo. V. Cousins.
 Mining Engineer: Charles Fergie.
 Head Office: Banque Nationale Building, 99 St. James St., Montreal, Que.
 Mine Office: Little Pembina River.
 Mine Manager: P. Christianson.
 Pit Boss: Wm. G. Heeley.

This company controls coal claims of about 50,000 acres extending in a north-westerly direction from the forks of Big Pembina and Little Pembina Rivers, about 28 miles. Several seams are outcropping all along the property, the two largest being about 17 ft. thick and separated by 140 ft. The strata where No. 1 mine is being developed is pitching about 25 degrees in a southerly direction. The coal is bituminous and of good quality for steam purposes. Preparations are being made to handle a large output when the Grand Trunk Pacific branch line has been built in to the property from Mile 16.

A mine is being opened up by the Wabamun Coal Co. at Lake Wabamun and a shaft being sunk and it is expected mining operations will be commenced in the early part of this year.

At the crossing of the Pembina River the coal can be seen outcropping on the river bank. Besides these outcroppings on the river a large amount of drilling has been done on the property of the Pembina Coal Co., Ltd. Shafts have also been sunk on this property.

and the quantity and quality of the coal proved. It is a lignite coal and very suitable for domestic use. The next point where coal is found is at Wolfe Creek, but as it does not appear to be of workable thickness very little has been done at this point. Following the Macleod River westward large beds of sandstone of the lower Larmie series are passed to Mile 142.

Further west at the headwaters of the Embaras River a large amount of development work was done during the summer of 1910 by the Yellowhead Pass Coal & Coke Co., Ltd., and several seams of a semi-bituminous coal, varying in thickness from two feet to twenty feet have been proved. These seams dip at an angle of about fifty degrees. Four slopes have been driven across the measures in the bottom bench of the twenty foot seam at an angle of about twenty-five degrees. These seams are separated by carbonaceous shales and sandstone which form a very good roof. This company have installed the following machinery on their property during the year: Two 80 h.p. boilers, one 60 h.p. hoist, one 20 h.p. engine for machine shop purposes, four Fairbanks Morse pumps of a capacity of 250 gallons per minute. Wolfe lamps have also been installed and a lamp-house built.

During the summer of 1910 the property owned by the Brazeau Collieries, Ltd., has been prospected and five seams of coal have been proved. Tunnels have been driven to the different seams on the south side of the river. It is expected that much further development will take place on this property during the year 1911.

CROWS NEST PASS DISTRICT.

International Coal & Coke Co., Ltd., Coleman.

Authorized Capital: \$3,000,000 00.
 President: A. C. Flumerfelt
 Vice-President: H. N. Galer.
 Managing Director: R. W. Riddell.
 Directors: W. G. Graves, C. S. Houghton and C. E. McBroom.
 Secretary: W. G. Graves.
 Treasurer: John McKeagan.
 Head Office: Spokane, Wash., U. S. A.
 Mine Office: Coleman, Alta.
 General Manager: O. E. S. Whiteside.
 Mine Manager: W. A. Davidson.
 Mining Engineer: D. A. Macauley.
 Master Mechanic: James Scott.
 Pit Bosses: D. Davis, S. Shone and W. Watson.
 Fire Bosses: Robt. Horne, Wm. Ashurst, Donald McMillan, T. W. Thompson, Geo. Kellock and W. R. Kerr.

The main entries in this mine have been enlarged and retimbered. Five compound air locomotives have been installed, also 100 two-ton mine cars, two 72 in. x 18 ft. return tubular boilers, ash pump and electric motor. The locomotive sheds have also been extended and the engine, boiler and fan have been removed from No. 98 chute No. 2 seam to Yorke Creek.

McGillivray Creek Coal & Coke Co., Ltd., Coleman.

Authorized Capital: \$3,000,000 00.
 President: L. A. Campbell.
 Directors: L. A. Campbell, Fitzhugh Burns, J. A. Nowell, T. M. Paine, W. E. Cullen, Jr.

Secretary-Treasurer: W. E. Cullen, Jr.
 Head Office: 1120 Paulson Bld., Spokane, Wash., U.S.A
 Mine Office: Coleman, Alta.
 General Manager: J. K. Cram.
 Mine Manager: Thos. Horne.
 Mining Engineer: J. A. Robert.
 Master Mechanic: T. D. Stockdale
 Pit Boss: Thos. Horne.
 Fire Bosses: Thos. Parry and George Richards.

This property is situated at Carbondale west of the Town of Coleman, the seams of coal being a continuation of the Coleman seams. No 2 seam is being worked. This seam is 12 feet thick. A slope is driven down on the pitch of the seam and from the bottom of the slope, north and south entries are driven, the main north entry being 1,793 feet and the main south entry 348 feet. One pump with a capacity of 150 gallons per minute has been installed, also one pump with a capacity of 200 gallons per minute and one Sirrocco fan capable of producing 50,000 cubic feet of air per minute.

This company have also built a steel tippie with a capacity of 2,000 tons per day and installed 60 steel Watt mine cars with a capacity of four tons each. One machine shop 100 feet by 30 feet, built of stone and fully equipped. One power-house 80 ft x 56 ft. built of stone and equipped with two 150 h p Watrous boilers and one 150 k.w direct current generator direct-connected to engine. An outside electric haulage road 42 inch gauge, one and a-half miles long connecting the mine and tippie and operated by two 100 h p electric motors of the Goodman type.

West Canadian Collieries, Ltd , Blairmore.

Authorized Capital: \$3,600,000 00.
 President: Alphonse Wicart, 7 Rue de Teuremonde, Lille, France.
 Directors: John Robt Tenant, Arthur A. Baumann, Francois Lefebvre, Edmond Ory, Edouard Decoster, Baron Rene de la Grange O'Tard
 Edouard Carlier and Jean Cavois.
 Secretary-Treasurer: Andre Chesquier.
 Head Office: Blairmore, Alta.
 General Manager: R. W. Coulthard.
 Mining Engineer: L. P. Roberts.

Blairmore Mine.

Mine Manager: Raoul Green.
 Pit Boss: C. Chestnut.
 Fire Bosses: S. Turner, W. Wrigley, W. Pearson and T. Rawson.

The following plant has been installed during the year 1910: One 150 h p boiler of 125 pounds steam pressure, one three-phase 75 k.w generator, one transmission line, one Murphy fan four-foot in diameter electrically driven, one wash-house capable of accommodating 150 men and fitted with steel lockers and five shower baths, one concrete lamp-house and 150 Wolf lamps (these lamps are installed throughout the mine), one stable to accommodate 20 horses, one new tippie which includes creeper chain to haul cars, and Philip's automatic cross-over dump with bar screens and picking tables, new railway sidings to accommodate 35 cars, one railroad Fairbank's steel scale of 100 tons, one assay office, a mine office and store, electric light system outside and incandescent lamps along main entry in mine.

Bellevue Mine.

The installation for the Bellevue mine includes one wash-house capable of accommodating 300 men and fitted with steel lockers, and shower baths, one machine shop fitted with two lathes, one shaper, one radial drill press, one ordinary drill press, one pipe and bolt cutter, hack saw, grind-stone and emery wheel, one steel tippie with a capacity of 2,000 tons in eight hours with an automatic dump, picking belt and box car loader, a new power-house fitted with four 150 h p. Waterous boilers, feed pumps, one Rand four-stage air compressor, with a capacity of 746 cubic feet, pressure of air 1,200 pounds with compound steam cylinders, one Ridgway 150 k w. generator, one Sirrocco fan of 100,000 cubic feet capacity driven by direct current motor, one 50 k w. alternator and three wire transmission line, one 6 ft Murphy fan driven by electric motor, two compound air locomotives (cylinders 5½ in x 11 in x 10 in., weight 17,000 pounds), one compound air locomotive (cylinders 7 in. x 14 in x 14 in. weight 19,000 pounds), to haul coal underground. The main entry has been laid with heavy steel. Concrete lamp-house, mine office, powder magazine, oil-house and new yard is laid out which adjoins the main line of the C P.Ry to facilitate the loading and handling of cars to and from the new steel tippie. Safety lamps of the Wolf type are installed throughout the mine.

Lille Mine

One electric light system around the coke oven plant. Safety lamps are installed in No. 1 mine, but open lights are still being used in Bear Valley North Mine.

Hillcrest Collieries, Ltd., Hillcrest.

Authorized Capital: \$500,000 00.
 President: C. B. Gordon.
 Directors: M. P. Davis, C. R. Hamilton, J. S. C. Fraser, C. H. Duggan, H. S. Holts, C. Meridith, C. B. Gordon, J. H. Mackie, W. D. Matthews, C. P. Hill and John Brown.
 Secretary-Treasurer: J. M. Mackie.
 Head Office: Montreal.
 Mine Office: Hillcrest, Alta.
 General Manager: John Brown.
 Mine Manager: Jas. S. Quigley.
 Mining Engineer: Wm. Hutchinson.
 Master Mechanic: Richard Letcher.
 Fire Bosses: Thos. Taylor, Walter Rose, Wm. Adams and Dan Briscoe.

This company are driving an incline across the pitch of the coal measures, on an inclination of nine degrees. The coal was prospect ahead of this incline with a slope driven to a depth of 300 feet on the true pitch of the measures. Outside the mine the company have built a new locomotive house for the railroad locomotive.

Canadian Coal Consolidated, Ltd., Frank

Authorized Capital: \$2,000,000 00.
 President: Maurice Tilloy.
 Directors: Maurice Tilloy, General Ad Avon, Jacques Bernard, Georgies Berthier, Henri Buchet, Geo. Cahen, Leon Clerc, Felix Colomer, S. W. Gebo, Fernand Laconte, Leon Motts, Edmund Paix, Jean Saint Girens, Cte Jacques d'Arlingcourt.
 Secretary: Paul Buisson.
 Treasurer: C. J. Tomkins.
 Head Office: London, E.C.

Mine Office: Frank, Alta.
 General Manager: Alfred A. Muller.
 Master Mechanic: H. H. Banks
 Pit Bosses: Thos. Davis and James Nicols
 Fire Bosses: Wm. McVey, Charles Burrows, John J. Thomas, Harry White and James Finlayson

This company are working the same seam of coal at the shaft and the old mine. In the shaft mine the breast system of mining coal was adopted, this system of mining consists in taking out the coal with 25 or 30 feet breast on a pitch of 86 degrees. This system, however, has been discontinued and the angle system adopted, the angles being driven on an inclination of 35 degrees across the pitch. The smelter entry is being opened up and will soon be on an operating basis.

A new power-house has been built at the shaft mine and equipped with one 500 k.w. alternating generator 3 phase, 60 cycles, 2,300 voltage. This generator is driven by a compound non-condensing engine 24 in. x 36 in. x 24 in., a simplex engine 8 in. x 8 in., dynamo 25 k.w. 125 volts, direct current; also to duplicate above: one alternator 100 k.w., 3 phase, 50 cycles, 500 volts driven by a non-condensing 15 in. x 14 in. engine; one alternating generator 75 k.w., 3 phase, 60 cycles, 2,300 voltage, which is installed to duplicate the first 2,300 volt machine; four Babcock and Wilcox water tube boilers, 250 h.p. each, 160 pounds steam pressure, steam header 12 in. diameter; one 75 h.p. alternating motor has also been installed to drive the tiple machinery, also a motor to drive the saw mill. One 150 h.p. motor has been coupled to the ventilating fan at the old mine and is proving satisfactory. Hithertofore the fan was steam driven but good results were not obtained. A new electric hoist is being installed at the entrance of the old mine to supersede the steam driven hoist now in use. This hoist is for the purpose of hauling coal up the slope, the slope having been driven to attain a greater depth of working.

Maple Leaf Coal Co., Bellevue

Authorized Capital: \$500,000.00.
 President: D. M. Drumheller
 Directors: A. Klum, A. Cooledge, D. M. Drumheller, E. Dempsey, C. P. Lund.
 Secretary: C. P. Lund.
 Treasurer: A. Klum.
 Head Office: Spokane, Wash., U.S.A.
 Mine Office: Maple Leaf, Bellevue, Alta.
 General Manager: James Findlay.
 Mine Manager: F. Aspinall
 Fire Boss: Levi Parker

A new slope has been driven 400 feet down to attain a greater depth of working, and to prove the coal at a lower level. This company have installed one 150 h.p. boiler, one 75 h.p. hoist for hoisting coal up the slope, one 150 ton track scales, one Sirrocco fan driven by electrical power with a capacity of 50,000 cubic feet of air per minute, one Robb high speed electric engine 125 h.p. with generator. A stable to accommodate 12 horses, with granary, has been built, also a boiler-house, power-house and lamp-house.

Leitch Collieries, Ltd., Passburg

Authorized Capital: \$1,000,000.00.
 President: Malcolm Leitch
 Directors: G. O. Aulsebrook, F. C. Baker, J. C. Drewry, A. M. Fraser, Archibald Leitch, J. D. McLeod, W. G. McNachen and D. E. Williams.

Secretary. Ed. Holroyde.
 Head Office: Winnipeg, Man.
 Mine Office: Passburg, Alta.
 General Manager: W. L. Hamilton.
 Mine Manager: S. D. Wark.
 Pit Boss: Joseph Thomas
 Fire Bosses: R. Bansemer, J. B. Gregory, E. Roberts and Peter Blake.

This company is working No. 1 mine south of the Canadian Pacific Railway of the Crows Nest Pass branch, but owing to the irregularities of the coal, development of the mine has been delayed. One mile east of the No. 1 mine south, the No. 2 mine north has been opened up. The main entry has been driven 2,200 feet in the No. 2 seam. At two points on the main entry rock cross cuts have been driven, one to the east and one to the west of the entry, for the purpose of proving Nos. 1, 3 and 4 seams, the coal in each seam proving of excellent quality with a good roof and pavement. Nos. 3 and 4 seams are being developed, and will soon be large producers.

A rock tunnel has been driven to the surface and connects with the main entry in No. 2 seam and is being used as an air shaft. A fan is installed on the surface in connection with the rock tunnel to ventilate the mine. This fan is capable of producing upwards of 100,000 cubic feet of air per minute and is so arranged that it can be used either as a forcing or exhausting fan.

The entrance to the mine being some distance away from the tippie, an outside single rope system of haulage has been installed to run the loaded cars to the top of the tippie and bring back the empty cars. This haulage is capable of handling 3,000 tons of coal in ten hours. A new tippie has been erected together with coal pockets, shaking screens and picking table, capable of handling 2,000 tons of coal per day. A spur track from the Canadian Pacific Railway Crow's Nest branch, together with yards for holding one hundred cars has been laid.

A power-house providing room for four 150 h.p. boilers, engine room, machine shop and locomotive stalls, has been built. Also a coal washing plant of the Luhrig type constructed of wood with ten jigs for washing small coal for supplying the coke ovens. One hundred rectangular coke ovens are being built, sixty of which are completed.

Davenport Coal Co., Ltd., Burmis

Authorized Capital \$500,000.00
 President: F. H. Mason
 Directors: F. H. Mason, W. Clayton Miller, John A. Finch, Chas. P. Lund and Charles Hussey.
 Secretary-Treasurer: Charles Hussey
 Head Office: Spokane, Wash., U.S.A.
 Mine Office: Burmis, Alta.
 General Manager: E. T. Fitzsimmons
 Mine Manager: James Darbyshire.
 Fire Bosses: J. Cook and James Crowder.

This company are operating the mine which was formerly operated by the East Crow's Nest Coal Co., Ltd.; east of the old mine a new gravel tunnel has been driven which opens up No. 5 seam. To the west of this tunnel a rock cross cut has been driven which proves Nos. 1, 2 and 3 seams. Nos. 2 and 5 seams are being worked, most of the coal being produced from No. 2 seam. From the west side of Burmis station on the Canadian Pacific Railway, Crow's Nest line, a spur track has been put in for the storage of cars, the cars being loaded under the tippie on this spur track.

One temporary tippie built of wood has been erected and plans are being prepared for a new steel tippie. From the top of the tippie a mine car track has been put down and graded to connect with the mine. An extensive plant is in course of construction, consisting of boilers, haulage engine and Sirrocco fan, to deal with an increased output, also a new wash-house. A blacksmith shop, store house, mine office and lamp-house have been erected. The development is being pushed ahead and it is intended to produce an output of 1,000 tons per day.

Galbraith Coal Co., Lundbreck

Authorized Capital. \$250,000 00.
 President: Andrew Laidlaw, 222 Columbia Bldg., Spokane, Wash., U.S.A.
 Directors: Andrew Laidlaw, Mose Oppenheimer, J. G. Short, J. H. G. Willoughby and Wm. Richardson.
 Secretary: J. G. Short.
 Treasurer: Chas. C. Moore
 Head Office: 222 Columbia Bldg., Spokane, Wash., U.S.A.
 Mine Office: Lundbreck, Alta.
 General Manager: J. G. Short
 Pit Boss: John Morris.
 Fire Bosses: R. Hayes and R. Kerr.

A new slope has been driven on No. 2 seam to a depth of 250 feet, at which depth the slope was discontinued for the time being, and a main level driven 250 feet. The new slope was driven to attain a greater depth of working. A boiler house has been erected and a new boiler and hoisting engine installed.

Western Coal & Coke Co., Ltd., Pincher Creek.

President: E. B. Greenshields.
 Managing Director: Charles Fergie.
 Secretary: George V. Cousins
 Head Office: Banque National Bldg., Montreal, Que.
 Mine Office: Beaver Creek, Alta.
 General Manager: Wm. Maxwell.
 Mine Manager: Samuel McVicar.
 Pit Boss: John D. Keith.

The property of the Western Coal & Coke Co., Ltd., is situated 12 miles west of Pincher Creek and the mine is opened up by a tunnel driven 1,300 feet. At a point 850 feet from the entrance, a slope 7 ft. x 8 ft. is driven 400 feet. The main entry is now driven a distance of 2,968 feet, together with a counter entry. The main slope is driven a distance of 1,028 feet and has been widened and re-timbered 6 ft. x 10 ft. in the clear.

Across the valley of Beaver Creek a second opening was made in the same seam of coal. An entry has been driven a distance of 851 feet, and a raise 225 feet driven from it to the outcrop. A tunnel 8 ft. x 8 ft. is being driven through drift along the strike at a proper working elevation to meet the seam on end, the tunnel being driven a distance of 118 feet.

One 100 h.p. horizontal tubular boiler has been installed and four cottages built.

Carbon Hill Coal & Coke Co., Carbon Hill.

Authorized Capital: \$2,500,000.00.
 President: H. W. Wright.
 Directors: H. W. Wright, F. B. Gregg, J. F. Edwards, Wm. Watson, H. J. Matheson.
 Secretary-Treasurer: Dr. J. F. Edwards.
 Head Office: Spokane, Wash., U.S.A.

This company's property is situated on the south fork of the Old Man River and prospecting work only has been done to prove the coal on the property. Nine workable seams have been proved, some of these being over eight feet in thickness. A railway has been surveyed and staked out, but is not yet built.

The Head Syndicate, Ltd , Lynn Creek.

Authorized Capital: \$275,000 00.
 Chairman: James C. Head.
 Directors: Harry S. Barton, Charles M. Brereton and Leslie Hill.
 Secretary: Frank Tingle.
 Offices: Edmonton, Alta., 110 Cannon St., London Eng., Nelson, B.C.
 Mine Office: Lynn Creek, Alta.
 General Manager: Leslie Hill.
 Mine Manager: John Robertson

This company's property is situated on the south fork of the Old Man River at Lynn Creek. Two tunnels have been driven to prove the coal on this property. No. 1 tunnel is 800 feet and No. 2 is 200 feet. Four and one-half miles of wagon road have been built and five miles of trail. One bunk-house, boarding-house, office, stable, blacksmith shop and three powder houses for storage of explosives have been built. Small surface pits have been sunk to trace the coal seams on the surface.

There are a few small mines operating in the Pincher Creek District and one on the south fork. In the Pincher Creek District, A. D. McKinnon has opened up a small mine by driving a tunnel at water level from Mill Creek. On the south fork of the Old Man River the Fernie Syndicate own coal lands and have driven small tunnels and done surface stripping, proving six seams of coal, four of which vary in thickness from 7 feet to 13 feet, and two vary in thickness from 8 inches to 3 feet. The seams are regular throughout and two of them are of excellent coking quality.

LETHBRIDGE DISTRICT.

Alberta Railway & Irrigation Co., Lethbridge.

Authorized Capital. \$6,500,000 00.
 President: E. T. Galt.
 Vice-President: Col. K. B. B. Wodehouse.
 Directors: Sir Edward Clouston, Bart.; A. M. Nanton, W. Burdett-Coutts, M. P., J. H. Dodgson, Jno. Galt, W. M. Ramsay and Edwin Waterhouse.
 Secretary: David Amey.
 Managing Director: A. M. Nanton.
 Comptroller: E. H. Wilson.
 General Manager: P. L. Naismith.
 Head Office: London, Eng.
 Mine Office: Lethbridge, Alta.
 Mine Manager: Robert Livingstone.
 Pit Bosses: J. C. Livingstone and S. A. Jones.
 Fire Bosses: R. Scott, W. D. McMillan, S. Park, S. McLeary, J. Davis, T. Whitelaw and J. Hill.

The new plant which was in course of erection last year has now been practically completed. Steel head gear has been erected at the No. 5 shaft, the whole being encased in steel plates and fitted with an air lock. No wood whatever has been used in the construction, and this part of the plant is as nearly fireproof as possible.

An Ottunwa box car loader has been completed and is now in operation. All steam pipes have been covered with asbestos. A three-stage turbine pump with a capacity of 275 gallons per minute against a head of 350 feet has been added to the plant at the river. This pump is electrically driven. Foundations have been laid for another battery of Babcock & Wilcox boilers, and steel plate storage bins with a capacity of 300 tons have been built. A conveyor 220 feet long has been installed to carry the slack from the shaking screens to the storage bins.

An engine of 50 h.p. has been installed so that it is now possible to do the shunting of the railway cars without the aid of the locomotive. Shoes 8 ft. long have been placed on either side of the cages to replace the small shoes. These shoes are giving much better satisfaction and have prevented to a great extent the cutting up of the guides. A large up-to-date wash-house has been erected with lockers and shower baths. An emergency hospital is also provided. Blacksmith, carpenter and machine shops are in course of construction and will be equipped with up-to-date machinery. Systems of fire protection have been installed both below and above ground. Above ground five hydrants and twelve lengths of hose pipe are provided and can be connected with the boiler feed pumps. A 2½ inch pipe has been brought from the water tank on the surface, and seven hydrants and five lengths of hose pipe installed underground. Preparations are being made for installing an endless rope haulage underground. The development work of the No. 6 mine has been pushed rapidly ahead until the output has now reached about 800 tons per day. This development work has been considerably delayed as numerous faults have been encountered.

Royal Collieries, Ltd., Lethbridge

Authorized Capital: \$3,000,000 00.
 President: A. C. Flumerfelt, Victoria, B.C.
 Directors: A. C. Flumerfelt, A. Laidlaw, H. N. Galer, H. Davidson, W. C. Nichols
 Vice-President: A. Laidlaw, Spokane, Wash.
 Managing Director: H. N. Galer
 Secretary: W. R. McKenzie.
 Treasurer: B. J. Nicklin
 Superintendent: H. H. Givin.
 Head Office: Royal View, Alta.
 Mine Manager: Robert Horne

During the past twelve months extensive alterations have been made on the surface plant of this mine. The tippie has been rebuilt and a rotary dump installed capable of handling four cars at one time. A rubber belt conveyor 28 inches wide by 34 ft. long has been erected by the Robins Belt Co. The screens are arranged for three sizes of coal. A Jenks hoisting engine of a capacity of 300 h.p. has been installed for hoisting the cars from the bottom of the slope to the tippie. A compound air compressor has been installed by the Canadian Rand Drill Co. Considerable development has been done in the underground workings during the past year.

Diamond Coal Co., Ltd., Diamond City

Authorized Capital: \$1,500,000 00.
 President: Hon. G. H. V. Bulyea, Edmonton, Alta.
 Vice-President: Dr. C. W. Clarke, Winnipeg.
 Directors: Hon. G. H. V. Bulyea, Dr. C. W. Clarke, G. F. Stephens, Thomas Robertson, Dr. L. N. McKechnie, H. A. McLean and Thos. Underwood.

Managing Director: Thomas Underwood.
 Secretary-Treasurer: Thomas Underwood.
 Head Office 1005 Underwood Block, Calgary, Alta.
 Mine Office: Diamond City, Alta.
 Mine Manager: W. D. L. Hardie.
 Pit Boss: Joseph Shorthouse
 Master Mechanic: W. Marshall.

The following plant has been installed at this mine during the year 1910. A Sirrocco fan 90 inches in diameter capable of giving 100,000 cubic feet of air per minute with a six inch water gauge. The fan is driven by a 75 h.p. motor. The foundations for fan and motor are built of concrete and also the adit from the fan to the mine entrance a distance of 70 ft. A compound two-stage Reidler air compressor with Whitworth governor and Reidler valves has been installed. A battery of Babcock & Wilcox boilers has been erected fitted with B. & W chain grates and automatic stokers. A Weir boiler feed pump 7½ in. x 5 in. x 6 in. with a capacity of 100 gallons per minute has been installed. A duplex Fairbanks service pump has been installed for pumping water from the river into the water tank at the plant. This pump is 10 in. x 4 in. x 10 in., with a capacity of 108 gallons per minute. A five-foot reciprocating feeder has been added to the screening plant. A power house and boiler house built of brick on concrete foundations have been erected. The electric coal cutting machines underground have been replaced by punchers.

Lethbridge Collieries, Ltd., Kipp.

Authorized Capital: \$3,000,000.00.
 President: F. B. Greenshields
 Directors: E. B. Greenshields, H. A. Lovett, K.C., J. W. McConnell,
 Nathaniel Curry, Hon. Robt. McKay, J. S. Hough, D. B. Adams,
 Isaac Cockburn and C. H. Campbell.
 Secretary-Treasurer: George V. Cousins.
 General Manager: Charles Fergie.
 Mine Manager: William Maxwell.
 Head Office: Montreal.
 Mine Office: Kipp, Alta.

This company control about fifteen square miles of coal lands and it is intended to erect a plant for 1,500 tons per day. The two shafts have been sunk to the coal which is at a depth of 573 feet from the surface. The hoisting shaft is 17½ ft. x 21½ ft. in the clear. The second shaft is 10 ft. x 20 ft. Both shafts are divided into three compartments and timbered with 10 in. x 12 in. timbers at 3 ft. 10 in. centres with 3 in. lagging. The plant at present at this mine is only temporary consisting of two Jenks hoisting engines of 50 h.p. each. Two Sullivan air compressors, one Allis-Chalmers generator connected to a 12 h.p. Ajax horizontal engine, two 150 h.p. Robb-Mumford boilers have been installed. A temporary wash-house has been built. All shots are fired by means of the electric battery, the explosives used being dynamite. Electric lights were used underground during sinking operations.

Chinook Coal Co., Ltd., Lethbridge.

Authorized Capital: \$3,000,000.00.
 President: W. A. Wood
 Vice-President: C. R. Somerville.
 Directors: W. A. Wood, C. R. Somerville, Robert Cassels, Miller Lash,
 Christopher Cook, H. A. McCallum, W. C. Simmons and L. G. De-
 Veber.

Secretary-Treasurer: W. E. Davidson.
 General Manager: J. C. Reid.
 Mine Manager: W. P. Thomas.
 Head Office: Manning Arcade, Toronto, Ont.
 Mine Office: Canadian Bank of Commerce Bldg., Lethbridge.

This company control approximately 8,300 acres of coal lands. A considerable amount of drilling has been done on this property, seven bore holes being put down to the coal which is at a depth of 425 ft. Two shafts are at present being sunk, one of which is 8½ ft. x 17 ft. and the other 8 ft. x 12 ft. The shafts are timbered with 8 in. x 12 in. timbers. All shot firing during sinking operations is being done by means of the electric battery. The plant at this mine is of a temporary nature and will be replaced by a permanent plant when sinking operations are completed. The plant at present consists of two hoisting engines 8½ in. x 10 in. and one 75 h.p. boiler.

There are a number of other small mines in this district, chief among these being the mines operated by James Ashcroft, the New Barnes Mines Co. and the City of Lethbridge. These mines only supply local demand and do very little during the summer months, with the exception of the mine operated by the City of Lethbridge which supplies coal for operating the power plant of the city and consequently is in operation during the whole year.

TABER DISTRICT.

Canada West Coal Co., Ltd., Taber.

Authorized Capital: \$2,400,000.00.
 President: O. A. Robertson.
 Vice-President: S. H. Bowman.
 Chairman of Board: F. E. Kenaston.
 Directors: F. B. Lynch, J. S. Hough, F. E. Kenaston, O. A. Robertson, S. H. Bowman, W. H. McWilliams and F. G. Barrows.
 General Manager: V. S. Kidd.
 Head Office: Taber.
 Mine Manager: J. Bastian.
 Fire Bosses: R. Harvie, J. Harvie and N. Johnson.

A considerable amount of work has been done underground towards improving the ventilation in this mine by driving new air courses, etc., and preparations made for an increased output.

Eureka Coal Co., Ltd., Taber.

Authorized Capital: \$400,000.00.
 President: Robert G. Duggan.
 Directors: A. L. Mitchell, D. L. Miller and W. Duncombe.
 Secretary-Treasurer: Byard Smith.
 Mine Manager: E. S. F. Huntrods.
 Fire Boss: E. F. Duggan.
 Head Office: Taber.

This mine was formerly operated by the Great Western Coal Co., Ltd. A shaft 9 ft. x 13 ft. has been sunk and the coal reached at a depth of 120 ft. from the surface. When this shaft is equipped with the proper hoisting appliances a considerable increased output is to be expected.

Alberta Consolidated Coal Co , Ltd., Taber

Authorized Capital: \$1,000,000.00.
President: David Wilson, Spokane.
Directors: D. Wilson, W. H. Turner, James Turner, W. E. Bullock, H. I. Reynolds.
Managing Director: D. Wilson.
Secretary-Treasurer: W. H. Turner.
Head Office: Spokane.
Mine Office: Elcan, Alta.
Mine Manager: A. R. Wilson

The output at this mine has been increased and development pushed ahead so that it will be able to produce a still larger output next winter. A Fairbanks railway track scale has been installed at this mine.

Rock Springs Sootless Coal Co , Ltd., Taber

President: B. K. Bullock.
Vice-President: B. K. Bullock.
Directors: B. K. Bullock, W. Henderson and H. I. Reynolds.
Secretary-Treasurer: H. I. Reynolds.
Manager: W. Henderson.

During the past year the following plant has been installed at the mine operated by this company: One straight-line air compressor built by the Canadian Rand Drill Co , a Fairbanks duplex pump with a capacity of 100 gallons per minute has been installed at the river for pumping water to the plant. A wash-house fitted with lockers has been erected. A rotary dump with a capacity of 300 tons per day has been installed. Ingersol punching machines are in use at this mine.

There are several other small mines operating during the winter months in the Taber District but as the demand is purely local they close down for a number of months during the summer. The Belly River mine, operated by G Erickson, has been equipped with a 25 h.p gasoline engine for hoisting coal up an incline of 800 ft

A number of small mines are operating in the Grassy Lake District and a considerable amount of prospecting is being done

There are a number of mines operating in the Medicine Hat District, chief of these being the mines operated by the Red Cliff Brick Co., Ltd , and the Ansley Coal Co. The latter company put down two drill holes on different parts of their property with the result that a seam of coal 7 ft thick was found at a depth of 250 ft from the surface.

A number of small mines are also operating in the Little Bow District but as the demand here is also purely local they only operate during the winter months

WORK OF INSPECTION

The inspection work of the province has increased considerably during the year 1910. A large number of new mines have been opened up, and as most of these are in the outlying districts at a considerable distance from the railway a large amount of time is taken up by the inspectors in travelling. In the larger mines, especially in the Crow's Nest Pass District, the outputs from the various mines have considerably increased, and it is consequently necessary

to have much more rapid transportation for the coal. In order to obtain this a number of compressed air locomotives have been installed and a higher speed of transportation obtained, making it necessary for a more thorough inspection of the haulage roads to be made owing to the greater liability for accidents.

The "Eight Hour Law" which came into force on April 1st, 1909, and which also includes the persons engaged in transportation, is now working fairly satisfactorily, but I am of opinion that owing to the largely increased output which has to be hauled over an increased distance and entails more rapid transportation more danger is to be apprehended. All fatal and serious accidents have been investigated and all inquests attended. The inspectors have made their rounds of inspection as often as was possible and have thoroughly investigated the cause of all accidents, and as far as practicable have had the causes of these accidents removed.

I am pleased to report that safety lamps have been installed in all the mines in the Crow's Nest Pass District, with the exception of Bear Valley Mine, operated by the West Canadian Collieries, Ltd., at Lille. Permitted explosives are now being used for blasting coal in all mines where gas has been found, and in a large number of cases Samsonite is used for blasting rock. We have had considerable trouble in getting these permitted explosives put into use, but the different persons interested are beginning to see the advantage of using them, and I believe before the end of the present year only permitted explosives will be used in mines where gas has been found.

A telephone has been established to connect the inner workings of No. 2 mine, operated by the International Coal & Coke Co. at Coleman, with the surface and has proved to be a great advantage.

A gob fire broke out in the old mine at Frank on 11th day of November, 1910, above 71 angle. This fire was dealt with by building stoppings across the main and counter gangways, and thus excluding, as far as possible, air from the seat of the fire.

I am also pleased to report that shot firing has been reduced as far as possible in a number of mines, more particularly in the Nos. 2 and 4 seams at Coleman. No shots are fired in No. 2 seam except in some of the pillars near the outcrop, and in No. 4 seam no shots whatever are fired. In a number of the other mines shooting off the solid has been discontinued and a proper system of mining coal adopted. The breast system of mining coal was adopted in the shaft mine, operated by the Canadian Coal Consolidated, Ltd., at Frank, and was considered by the inspectors to be dangerous. Action was taken by the department in connection with this matter under Section 48 of The Coal Mines Act, and I am pleased to report that before it was necessary to put the matter before a board of arbitration the company abandoned this method and are now opening out their mine on the angle system.

Proceedings were taken by the department against the West Canadian Collieries, Ltd., for violation of Section 6 of The Coal Mines Act, and a conviction obtained. The company were fined \$20 and costs. Acting on instructions received from the department, the West Canadian Collieries, Ltd., instituted proceedings against a miner, Charles Germain, for having lucifer matches in his possession in the Blairmore mine where safety lamps are in use. Germain pleaded guilty and was fined \$10 and costs. The Bankhead Mines, Ltd., took proceedings against a miner, John Belish, for a contravention of The Coal Mines Act by passing a fence which had been put up across the entrance to a dangerous place. Belish pleaded guilty and was fined \$5 and costs.

ACCIDENTS.

From the list of accidents for the past year it will be seen that fifty-nine persons lost their lives underground and two above ground, making a total of sixty-one. Of the fatal accidents below ground four were caused by falls of coal; eight by falls of rock; eight by mine cars; three by falling down chutes; two by premature explosion of explosives; one by gas explosion; thirty-one by carbon monoxide poisoning; one by stone falling down from side of shaft during process of sinking; one by asphyxiation by fumes from blasting. The two fatal accidents which occurred above ground were caused by mine cars.

Of the four fatalities which occurred by falls of coal, two occurred at the working faces and two were caused by pillars dropping out while the persons were walking over the top of them. These pillars were not left of a sufficient thickness and when the first squeeze of the seam took place they dropped out, thus causing the men who happened to be on them to fall and become buried.

Of the eight fatalities caused by falls of rock, two of them were caused while main gangways were being repaired and five were due to falls of cap rock, and one due to the sides of a prospect trench caving in.

Of the eight fatalities which were caused by mine cars underground, two persons were killed by being caught between the cars and the loading chutes; two by being caught between two moving cars, one by being caught between sides of roadway and cars; one by being caught between the top of the car and the roof while riding on car; one being caused by the brakeman falling in front of the compressed air locomotive, and one by a man jumping off a moving car and being crushed against a chute.

Of the three fatalities which were caused by persons falling down chutes, two were workmen who were working at face, and one was a fire boss who was travelling across the chute when the coal above him slipped away.

Both the fatalities which occurred through the premature explosion of explosives occurred in rock tunnels which were being driven across the measures.

The fatality which occurred by asphyxiation was owing to a workman going back into his place too soon after the shots were fired, and before it was examined by the fire boss.

The fatality which occurred owing to a gas explosion was caused by one of the miners in the lignite field going over a fence which had been erected across an abandoned place and igniting gas.

The fatality which occurred by a stone falling down a shaft took place in a small shaft which was being sunk near Milk River, and was entirely due to the lack of timber.

The catastrophe which happened on December 9th in the mine operated by the West Canadian Collieries, Ltd., at Bellevue, was responsible for the deaths of thirty-one persons, who lost their lives by carbon monoxide poisoning. There has not yet been sufficient evidence produced to show whether or not this was an explosion of gas or whether it was caused by heat being generated by the compression of air due to a large cave which took place in the abandoned workings of this mine. After all the evidence possible has been gathered I will submit to you a further report on this catastrophe.

The two fatal accidents which occurred above ground were caused by mine cars, one being caused by the driver jumping on

to the bumper while the trip was in motion, and the other being caused by the man being run over by a trip of empty cars while proceeding from the wash-house to the mine mouth.

In connection with the fatal accident which occurred whereby a brakeman on the compressed air locomotive in the Bellevue mine was killed, I found it necessary to take proceedings against the West Canadian Collieries, Ltd., for two contraventions of The Coal Mines Act.: one for employing the deceased underground while he was under sixteen years of age, and the other for employing the same person above ground during 1908 while he was under thirteen years of age. The company pleaded guilty in both cases and were fined \$20 and costs.

A number of the fatal accidents which have occurred, more especially in connection with the transportation, have been entirely due to the lack of discipline, and if The Coal Mines Act and the special rules in force at these mines had been strictly observed it is possible that the number of these accidents would have been diminished. In order to remove, as far as possible, the dangers to be apprehended by persons being crushed between the moving cars and the chutes, the inspectors have been taking steps to remove this danger as far as possible by requiring such alterations to be made in the construction of chutes as local conditions will permit.

There have also been five serious accidents above ground and thirty-six below ground, and seven slight accidents above ground and fifty-one below ground, making a total of one hundred and sixty accidents.

TABULATED LIST OF ACCIDENTS ABOVE AND BELOW GROUND

CAUSE	FATAL		SERIOUS		SLIGHT		TOTAL
	ABOVE	BELOW	ABOVE	BELOW	ABOVE	BELOW	
Falls of coal		4		3		6	13
Mine cars.	2	8		17	1	11	39
Shaft accidents		1	4	1	1		7
Gas explosions		1				14	15
Carbon monoxide poisoning		31					31
Machinery					4		4
Falls of rock		8		10		7	25
Explosives		2		4		6	12
Asphyxiation		1					1
Falling down chutes		3				2	5
Railway cars in mine yards...					1		1
Other causes			1	1		5	7
Total	2	59	5	36	7	51	160

Before going to press I am pleased to report that there has been a considerable decrease in the number of fatal accidents during the first three months of this year as compared with the first three months of the year 1910.

DATE	MINE	NAME	AGE	OCCUPATION	REMARKS
Jan. 8	Alberta Railway & Irrigation Co., Ltd	Fred Osaczuk	27	Driver	Fractured thigh. Jammed between cars.
Mar. 1	Alberta Railway & Irrigation Co., Ltd	Steve Medis	42	Loader	Fractured leg. Fall of coal
Mar. 2	Alberta Railway & Irrigation Co., Ltd	H. Bomback	21	Labourer	Injured about head by fall from ear
Mar. 16	Alberta Railway & Irrigation Co., Ltd	John Deak	33	Loader	Wrist broken. Scaffold gave way
May 25	Alberta Railway & Irrigation Co., Ltd	John Pisko	16	Trapper	Broken leg. Fell between cars
May 26	Alberta Railway & Irrigation Co., Ltd	Steve Dorcheak	45	Bratticeman	Burned on hands and neck by explosion of gas.
May 26	Alberta Railway & Irrigation Co., Ltd	Steve Begalla	28	Bratticeman helper	Burned on hands and neck by explosion of gas
June 1	Alberta Railway & Irrigation Co., Ltd	Thomas Lewis	34	Loader	Burned on hands and arms by explosion of gas
July 22	Alberta Railway & Irrigation Co., Ltd	Steve Rubelak	30	Loader	Burned by explosion of gas.
Sept. 14	Alberta Railway & Irrigation Co., Ltd	Mike Czerni	21	Loader	Wrist broken. Riding between cars.
Oct. 3	Alberta Railway & Irrigation Co., Ltd	Andrew Pachner	32	Loader	Killed by explosion of gas.
Oct. 6	Alberta Railway & Irrigation Co., Ltd	John Stobbs	30	Engineer	Finger cut off while cleaning engine
Oct. 8	Alberta Railway & Irrigation Co., Ltd	Mike Sirovyak	22	Loader	Arm broken by fall of coal.
Nov 14	Alberta Railway & Irrigation Co., Ltd	George Zor.	34	Machineman	Burned on hands and face by explosion of gas
Nov. 14	Alberta Railway & Irrigation Co., Ltd	Tom Mihalson	20	Machineman	Burned on hands and face by explosion of gas.
Nov 18	Alberta Railway & Irrigation Co., Ltd	Joseph Kovatch	25	Loader	Burned on face by explosion of gas.
Dec. 2	Alberta Railway & Irrigation Co., Ltd	John Lukatch	22	Loader	Burned on face by explosion of powder.
Dec. 6	Alberta Railway & Irrigation Co., Ltd	John Tomasko	22	Driver	Compound fracture of right arm. Caught between cars.
Dec. 28	Alberta Railway & Irrigation Co., Ltd	Pat Boca	37	Timberman	Bruised on back and legs. Fall of rock.
Nov. 8	James Ashcroft	Charles Yakulis	25	Miner	Scalp wound, causing concussion of brain. Inadvertently placed the wrong end of squib in hole.
May 9	Bankhead Mines, Ltd	William H. Cole	25	Motorman	Leg injured. Caught between car and motor.

DEPARTMENT OF PUBLIC WORKS

DATE	MINE	NAME	AGE	OCCUPATION	REMARKS
July 22	Bankhead Mines, Ltd	Alexander Pituck	23	Loader	Leg fractured Jammed between car and side of road
Aug 24	Bankhead Mines, Ltd	Frank Gzeborzki	31	Loader	Leg fractured by fall of rock.
Oct. 29	Bankhead Mines, Ltd	G. Nardno	24	Chucker	Cut on face and body Drilled into missed shot causing explosion.
Oct. 29	Bankhead Mines, Ltd	Pat Gioia	34	Machine man	Cut on face and body. Drilled into missed shot causing explosion.
Nov. 13	Bankhead Mines, Ltd	Ernest Morat	33	Miner	Killed by fall of rock.
Jan. 2	Canadian Coal Consolidated Co., Ltd	Charles Vaneker	60	Sawyer	Hand and arm lacerated. Fell against saw
Jan. 8	Canadian Coal Consolidated Co., Ltd	Mike Brunos	20	Pusher	Leg fractured. Stopping loaded car
Jan. 15	Canadian Coal Consolidated Co., Ltd	Elei Veignet	30	Driver	Killed by being crushed between car and chute
Jan. 28	Canadian Coal Consolidated Co., Ltd	Florin Glain	28	Miner	Shoulders and legs bruised by fall of rock
Feb. 4	Canadian Coal Consolidated Co., Ltd	Isidore Montabletti	23	Rope rider	Fractured leg Jammed between car and props.
Feb. 23	Canadian Coal Consolidated Co., Ltd	Pascale Laura	33	Driver	Arm fractured Caught between car and prop
Apr. 11	Canadian Coal Consolidated Co., Ltd	Gean Baptist Loubert	30	Pusher	Killed. Caught between cars.
Apr. 28	Canadian Coal Consolidated Co., Ltd	Henry H Banks	37	Master mechanic	Scalded and bruised. Globe valve burst.
Oct 18	Canadian Coal Consolidated Co., Ltd	Frank Kuropatkin	30	Timberman	Killed by fall of coal
Dec 8	Canadian Coal Consolidated Co., Ltd	Samuel Heathecock	37	Fire boss	Killed by pillar falling out
Jan. 24	Canada West Coal Co., Ltd	J McInnis	21	Driver	Fractured leg. Fell in front of car.
June 18	Canada West Coal Co., Ltd	George Bisner	26	Miner	Arm and shoulder slightly bruised by premature explosion of dynamite
Sept. 17	Canada West Coal Co., Ltd	Abraham Bateman.	47	Miner	Scalp wound and bruised back Fall of rock
Dec 24	Canada West Coal Co., Ltd	Leonard Powell	23	Pusher	Fractured arm Caught between cars and rib.
Jan 12	Cardiff Coal Co., Ltd	Alexander Mawhinny	46	Miner.	Fractured leg. Fell from scaffold.

DATE	MINE	NAME	AGE	OCCUPATION	REMARKS
July 6	Clover Bar Coal Co., Ltd	Edward Redley	22	Cager	Both legs fractured by car falling over while being dumped.
Oct. 23	Clover Bar Coal Co., Ltd	William Gerke	28	Surface labourer	Caught between cars and bruised.
Jan 14	Cousins, R. W. K.	Jackson W. Copeland.	35	Miner	Fractured arm. Premature explosion of powder
Feb. 2	Davenport Coal Co	Joseph Verheyden	40	Miner	Crushed about abdomen by fall of rock
Dec. 19	Davenport Coal Co	Paul Kendrek	19	Driver	Thigh fractured Fell in front of trip of cars.
May 17	Diamond Coal Co., Ltd	James Nairn	26	Machine runner	Nose fractured by falling prop.
Aug 5	Diamond Coal Co., Ltd	John D. Orngahi	30	Loader	Slightly burned about face and hand by spark falling into empty gaso-line barrel.
Oct. 11	Diamond Coal Co., Ltd	Joe Bennedette	35	Timberman	Finger smashed. Struck with hammer
Oct. 11	Diamond Coal Co., Ltd	Steve Chiescheni	33	Machine runner	Finger smashed Struck with hammer
Nov. 16	Durham Collieries, Ltd	Elmer Paulson.	18	Driver	Collar bone fractured. Fell in front of car.
Aug. 29	Edmonton Standard Coal Co	Arthur Fowler	32	Miner	Burned on face and neck by explosion of gas.
Jan. 29	Hillcrest Collieries, Ltd	William Churyk	45	Timber packer	Killed. Crushed between cars.
Mar. 15	Hillcrest Collieries, Ltd	Charles Germain	40	Miner	Killed by fall at face.
June 18	Hillcrest Collieries, Ltd	Carl Johnston	29	Miner	Leg fractured by fall of coal and rock.
July 15	Hillcrest Collieries, Ltd	George Martin	53	Miner	Killed by fall of cap rock
Aug. 20	Hillcrest Collieries, Ltd	Dan Slosarczk	27	Loader.	Killed on surface by dinkey, while proceeding to work.
Sept. 2	Hillcrest Collieries, Ltd	Louis LeGrand	25	Loader	Leg fractured by fall of rock.
Sept. 2	Hillcrest Collieries, Ltd	Andevy Haizarhoi	45	Loader	Leg and arm fractured by fall of rock.
Sept. 29	Hillcrest Collieries, Ltd	Richard Moore	31	Machine man	Killed by premature explosion of dynamite.
Oct 10	Hillcrest Collieries, Ltd	John Wolosyk	31	Timber packer.	Injured internally. Struck by cars while going down slope.
Oct 15	Hillcrest Collieries, Ltd	John Gleane	44	Timberman	Hip bone fractured by fall of rock
Aug. 8	Humberstone Coal Co	John Whittman.	22	Cager	Ribs fractured. Struck by cage.

DEPARTMENT OF PUBLIC WORKS

DATE	MINE	NAME	AGE	OCCUPATION	REMARKS
Dec. 12	Humberstone Coal Co	Sam Reid	30	Cager	Leg fractured while attempting to start haulage engine.
Jan. 31	International Coal & Coke Co., Ltd	Felix Vandusen	36	Miner	Killed by fall of rock.
Feb. 12	International Coal & Coke Co., Ltd	A. Carota	23	Brakeman	Killed. Crushed between car and chute while coupling cars.
June 14	International Coal & Coke Co., Ltd	W. Kelly	31	Miner	Killed by fall of rock.
June 14	International Coal & Coke Co., Ltd	J. Humanick	39	Miner	Killed by fall of rock.
June 14	International Coal & Coke Co., Ltd	August Varan	33	Miner	Scalp wound by fall of coal
July 8	International Coal & Coke Co., Ltd	Martin Pieronek	19	Trapper	Hand injured attempting to open detonator with knife.
July 23	International Coal & Coke Co., Ltd	Mike Yagos	34	Miner	Killed by fall of cap rock
Aug. 17	International Coal & Coke Co., Ltd	Martin Yagosz	26	Loader	Jaw bone fractured. Fell against chute.
Sept. 27	International Coal & Coke Co., Ltd	S. Guiseppi	34	Loader	Hip fractured while uncoupling car which became derailed
Oct. 11	International Coal & Coke Co., Ltd	L. Evans	33	Miner	Leg fractured by fall of rock
Nov. 23	International Coal & Coke Co., Ltd	Elias Nausman	28	Miner	Back injured by fall of rock and coal.
Dec. 2	International Coal & Coke Co., Ltd	J. C. Hopper	24	Teamster	Leg fractured. Fell off sleigh.
Dec. 15	International Coal & Coke Co., Ltd	M. Pieronet	19	Loader	Collar bone fractured. Caught between car and prop
Feb. 15	Leitch Collieries	George Farrie	33	Miner	Slightly burned on face and hands by shot igniting gas.
June 6	Leitch Collieries	James Foster	24	Miner	Burned on face and hands. Shot liberated gas which was ignited by open light
June 17	Leitch Collieries	Stephen Hare	28	Driver	Killed by falling in front of car
Sept. 23	Leitch Collieries	David Jones	33	Miner	Burned on face and hands. Shot liberated gas which was ignited by second shot
Nov. 5	Leitch Collieries	Alfred Messham	49	Miner	Killed by cave-in at prospect.
Nov. 17	Leitch Collieries	William Reid	32	Rock miner	Back and legs injured from result of shot. Did not go to place of safety. Fatal.

DATE	MINE	NAME	AGE	OCCUPATION	REMARKS
Nov. 17	Letch Collieries, Ltd	Robert Barnhill	42	Rock miner	Legs, arms and head injured from result of shot. Did not go to place of safety.
Nov 24	Lethbridge Collieries, Ltd	Harry Powell	36	Shaft smker	Leg fractured by fall of rock.
Jan. 7	Jos Love & Co	Sam Wynng	28	Miner	Back bruised and ankle twisted. Fell down shaft.
Oct. 6	Jos Love & Co	Martin Wallace	50	Miner	Ribs fractured by fall of rock.
Feb. 16	Maple Leaf Coal Co	Valentine Decilia	24	Driver	Killed by being caught between car and side of roadway.
Mar 15	Maple Leaf Coal Co	O. Ostansen	28	Miner	Killed by fall of rock.
Aug. 17	Maple Leaf Coal Co	L. Matrige	32	Miner...	Slightly burned by explosion of gas ignited by burning fuse.
Aug. 17	Maple Leaf Coal Co	Lambert Beaumont	39	Miner	Slightly burned by explosion of gas ignited by burning fuse.
Aug. 17	Maple Leaf Coal Co	Levi Parker	26	Fire boss	Slightly burned by explosion of gas ignited by burning fuse.
Jan. 11	H. W. McNeill Co	Nike Symonek	50	Surface labourer	Ankle fractured. Tie falling off car.
Feb. 23	H. W. McNeill Co	Nick Illuk	20	Switchman	Collar bone broken. Jumped off car which became derailed.
Mar. 10	H. W. McNeill Co	John Kadyk	19	Labourer	Leg fractured by fall of rock
Mar. 28	H. W. McNeill Co	William Clark	30	Miner	Killed by falling down chute with car
May 9	H. W. McNeill Co	Martin Fontana	26	Miner	Face and eyeball cut. Struck lost detonater with pick
June 21	H. W. McNeill Co	Alexander Wilson	40	Miner	Killed by falling niggerhead.
Aug 31	H. W. McNeill Co	Mike Hodhek	34	Labourer	Wrist sprained and body bruised Fell down manway.
Sept 1	H. W. McNeill Co	Hnay Ukrainys.	21	Labourer.	While riding on rear of car he raised his head striking it against roof
Oct. 6	H. W. McNeill Co	Tom Hrubasek	25	Uager.	Killed while riding on car by being crushed between car and roof.
Oct. 19	McGillivray Creek Coal & Coke Co., Ltd	John Figner	40	Miner	Back strained by fall of coal.
Nov. 21	McGillivray Creek Coal & Coke Co., Ltd	Irving A. Bayes	22	Motorman	Leg fractured by motor jumping track
Oct. 3	McGrath Coal Co	James Parkinson.	50	Miner	Slightly burned by gas explosion.

DEPARTMENT OF PUBLIC WORKS

DATE	MINE	NAME	AGE	OCCUPATION	REMARKS
Nov 19	Ritchie Coal Co	W. Laxroski	30	Miner.	Hand crushed by fall of rock.
Dec. 27	Rock Springs Sootless Coal Co., Ltd	George Johnstone	39	Loader	Back and hip bruised by clod falling from roof.
Jan. 12	Royal Collieries, Ltd	Florindo Covaline	28	Miner	Rib fractured. Crushed between car and side of road.
Feb. 1	Royal Collieries, Ltd	George Poynt	22	Driver	Finger smashed while coupling cars.
Dec. 19	Royal Collieries, Ltd	R. Swallow	21	Chain runner	Leg injured by cars running down slope owing to broken coupling.
Jan 24	Stratheona Coal Co	H Hammerjeister	24	Miner	Ankle fractured by fall of rock.
Aug. 27	Stratheona Coal Co	Matthew Graham	37	Miner	Back injured and ankle sprained by fall of rock.
Feb 8	West Canadian Collieries, Ltd., Bellevue	Mike Peola	13	Brakeman	Killed by motor
May 12	West Canadian Collieries, Ltd., Bellevue	Tom Matlinka	22	Brakeman	Head bruised by motor being derailed.
May 13	West Canadian Collieries, Ltd., Bellevue	Hertak Steve	36	Miner	Leg fractured by fall of rock.
June 23	West Canadian Collieries, Ltd., Bellevue	H Laballa	32	Miner	Forehead and eye injured by fall of coal down chute.
July 11	West Canadian Collieries, Ltd., Bellevue	Roeel Commissio	39	Loader	Leg injured. Crushed between cars
July 16	West Canadian Collieries, Ltd., Bellevue	A Buchini	27	Miner	Killed. Crushed against chute. Jumped off car.
Aug 11	West Canadian Collieries, Ltd., Bellevue	Robt Emmerson	32	Motorman	Ankle bruised by cars.
Dec 9	West Canadian Collieries, Ltd., Bellevue	A Autok	27	Miner	Killed by afterdamp as result of explosion in mine
Dec. 9	West Canadian Collieries, Ltd., Bellevue	J Bonato	37	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	S Darcole	31	Miner	Killed by afterdamp as result of explosion in mine.
Dec 9	West Canadian Collieries, Ltd., Bellevue	John Drewenski	41	Miner	Killed by afterdamp as result of explosion in mine.
Dec 9	West Canadian Collieries, Ltd., Bellevue	M Gera	41	Miner	Killed by afterdamp as result of explosion in mine.
Dec 9	West Canadian Collieries, Ltd., Bellevue	Pete Gera	45	Miner	Killed by afterdamp as result of explosion in mine.

DATE	MINE	NAME	AGE	OCCUPATION	REMARKS
Dec. 9	West Canadian Collieries, Ltd., Bellevue	Mike Kornan	37	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	F. Martun	26	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	Peter Paul	25	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	M. Quntella	33	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	A. Quntella	30	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	Gus Robo	32	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	Sam Semeta	30	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	B. Tripodi	47	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	A. Tripodi	25	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	T. Ullvnen	30	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	J. Ullvnen	27	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	H. Willberg	49	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	G. Basso	19	Loader	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	F. Beigur	26	Loader	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	P. Beigur	32	Loader	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	N. Kunsiner.	23	Brattreman.	Killed by afterdamp as result of explosion in mine.

DEPARTMENT OF PUBLIC WORKS

DATE	MINE	NAME	AGE	OCCUPATION	REMARKS
Dec. 9	West Canadian Collieries, Ltd., Bellevue	F. Roberts	30	Loader.	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	A. Saari	39	Track layer	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	H. Teppo	34	Pit boss.	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	C. Letti	44	Miner	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	J. Bornat	30	Timberpacker	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	M. Kondratishen	41	Timberpacker	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	Nick Sumak	27	Timberpacker	Killed by afterdamp as result of explosion in mine.
Dec. 9	West Canadian Collieries, Ltd., Bellevue	J. Doska	33	Timberpacker	Killed by afterdamp as result of explosion in mine.
Dec. 10	West Canadian Collieries, Ltd., Bellevue	Fred Alderson			Killed by afterdamp as result of explosion of gas in mine while assisting in rescue work.
Feb. 25	West Canadian Collieries, Ltd., Blairmore	C. Philipps	32	Fire boss	Nose fractured by fall of rock.
June 24	West Canadian Collieries, Ltd., Blairmore	C. Philipps	32	Fire boss	Killed by fall of coal down chute.
July 18	West Canadian Collieries, Ltd., Blairmore	R. McVicar	24	Miner	Face and hands burned by gas being ignited by open light.
July 18	West Canadian Collieries, Ltd., Blairmore	C. McPherson	26	Miner	Face and hands burned by gas being ignited by open light.
Sept. 2	West Canadian Collieries, Ltd., Blairmore	M. Maori	20	Miner	Back injured and arm broken by fall of rock and coal.
Sept. 7	West Canadian Collieries, Ltd., Blairmore	Gregory Soraffty	22	Loader	Slightly injured by explosion of dynamite.
Nov. 11	West Canadian Collieries Ltd., Blairmore	Martin Rsetz	50	Miner	Asphyxiated by fumes from shot of Saxonite.
Apr. 9	West Canadian Collieries, Ltd., Lille	Tom Polidore	28	Miner	Smothered in chute.

DATE	MINE	NAME	AGE	OCCUPATION	REMARKS
May 21	West Canadian Collieries, Ltd., Lille	Guglimo Bertolng	21	Miner	Leg and collar bone broken by fall of coal.
July 27	Western Coal & Coke Co	Alexander White	28	Pusher	Ribs broken and back injured by fall off car.
Nov. 14	White Star Coal Co	Albert I. Rupert	40	Miner	Leg fractured by fall of roof.
Dec. 15	Erickson Bros ..	L. Bassormony		Shaft sinker	Struck by small piece of shale falling from near top of shaft

EXAMINATIONS.

An examination for fire boss certificates was held at Banff and Frank on May 18th, at which twenty-nine candidates presented themselves for examination, seventeen of whom passed, and the regular examinations for mine managers, pit bosses and fire bosses were held at Banff, Frank and Edmonton on October 12th, 13th and 14th. At the latter examinations one hundred and eleven candidates presented themselves for examination, forty-five of whom passed, as follows: Managers, thirty-five sat for examination, 11 passed Pit bosses, twenty-nine sat for examination, thirteen passed Fire bosses, forty-seven sat for examination, twenty-one passed

The number of candidates who presented themselves for examination during the year 1910 shows a considerable increase over the previous year, and with the steadily increasing number of mine officials qualifying each year there should soon be no difficulty in securing a sufficient number of certificated persons to fill all official positions at the mines

During the year sixty-two provisional pit boss certificates and fourteen provisional fire boss certificates were granted to different persons until they had an opportunity of obtaining certificates by examination:

The following are the questions set at the examinations held at Banff, Frank and Edmonton on October 12th, 13th and 14th, 1910:

MINE MANAGER'S EXAMINATION.

Paper No 1

Time allowed, two hours

The value attached to each question is given in parenthesis Candidates must obtain 70 per cent. of the allotted marks to pass

COAL MINES ACT

1. What are the provisions of The Coal Mines Act relating to the employment of boys in or about a mine? (12)
- 2 State fully what returns and notices are required by The Coal Mines Act to be sent to the Minister of Public Works and to the Inspector of Mines, and what books are required to be kept at the mine. (12)
- 3 What provisions are made in The Coal Mines Act for the establishment and modification of "Special Rules"? (12)
- 4 State fully the provisions of The Coal Mines Act dealing with the reporting of accidents in or about a mine, and state what information is required when reporting an accident (11)
5. What are the requirements of The Coal Mines Act as to plans of workings? (8)
- 6 What are the provisions of The Coal Mines Act regarding the use and handling of explosives in a mine? (17)
- 7 Give the provisions of the "Act to Amend The Coal Mines Act for the Purpose of Limiting Hours of Work Below Ground" (12)
- 8 What are the provisions of The Coal Mines Act regarding winding engines, machinery and steam boiler fittings? (8)
9. What is the interpretation of "mine" as given by The Coal Mines Act? (8)

MINE MANAGER'S EXAMINATION.

*Paper No 2**Time allowed, two and a half hours.*

The value attached to each question is given in parenthesis. Candidates must obtain 70 per cent. of the allotted marks to pass.

GASES AND SHOT-FIRING.

1 Discuss briefly the known mine gases under the following heads: Origin, Composition, Probable locality, Mode of detection, Effects. (17)

2 Mention the several explosives used in mines in Alberta. Describe their properties and peculiar characteristics. Show their adaptation for certain results in blasting operations, and explain the dangers attending the use of each. (8)

3 State fully what should be the qualifications of a perfect safety lamp. In what ways may a safety lamp cause an explosion? (12)

4 Explain the law of the "diffusion of gases" and its effect on their behaviour in mines. (10)

5. What is the influence of coal dust on the safety of a mine? In what mines, and what parts of them is it most dangerous? And in what different ways can the dangers be dealt with? Mention any other practical advantages that can be obtained by removing the dust (10)

6 Which do you consider the best type of safety lamp to be used by a miner? Give a description and sketch of it, with your reasons for preferring it (12)

7. Does the presence of carbon-dioxide affect the inflammability of fire damp? If so, how? State fully (7)

8 What are the chief causes of mis-shots in electric blasting? Describe the "high tension" and "low tension" systems of electrical shot-firing respectively (12)

9 If in a fiery mine the quantity of air passing through the return is 115,000 cubic feet per minute, and contains 4 per cent of fire damp when the barometer registers 30, what quantity of fire damp is given off in the mine? What is the least decrease of the quantity of air that will render the air in the return explosive? What increase of gas will render the return air explosive? (12)

MINE MANAGER'S EXAMINATION.

*Paper No 3**Time allowed, three and one-half hours*

The value attached to each question is given in parenthesis. Candidates must obtain 70 per cent of the allotted marks to pass.

*VENTILATION**Coefficient of friction 00000002*

1. What are the advantages of splitting the air, and by what causes is the number of splits limited? (9)

2 How is ventilation produced? Describe briefly the different modes, natural and artificial State which is best, and why you consider it to be so. (8)

3 There are three airways in a mine, viz: (a) 3,000 ft x 6 ft x 5 ft ; (b) 4,000 ft x 6 ft. x 6 ft ; (c) 2,000 ft x 5 ft x 5 ft The total quantity of air passing in the three airways is 50,000 cubic feet per minute What is the quantity passing along each airway? (15)

4 Ventilate the given plan, having due regard to the requirements of haulage Criticize the plan, and point out anything you consider to be defective (20)

5 A certain quantity of gas occupies 25.073 cubic feet with the barometer reading 30.7 inches How will this volume be effected if the barometer falls to 28.9 inches? (6)

6. How many cubic feet of air per minute would be circulated through a mine whose airway is 1,875 feet long, to insure a circulation of 70,000 when the airway has been extended to a length of 4,800 feet? (7)

7 If a ventilating fan is running at 40 revolutions per minute with 1.5 inches of W.G. and it be altered so that the W.G. reads 2.6 inches, what will be the fan speed? (8)

8 Define the terms "Coefficient of friction," "Ventilating pressure," "Water Gauge," and "Resistance of air" (10)

9 What precautions should be taken in the matter of safety lamps? Trace lamp from the cleaning and trimming in the lamp-house to the use of it at the face, and show how it should be treated in a dangerous mine (7)

10 What will be the height of the motive column in a case where the depth of the downcast is 300 feet, and the temperature of the downcast is 32 degrees F and the temperature of the upcast 48 degrees F.? (10)

MINE MANAGER'S EXAMINATION

Paper No 4

Time allowed, three and one-half hours

The value attached to each question is given in parenthesis Candidates must obtain 60 per cent. of the allotted marks to pass

PRACTICAL WORK.

1. Are mine fires more likely to occur in one mine than in another, and if so, why? In the event of a mine fire, what precautions would you take to protect the workmen engaged in extinguishing the same? (10)

2. Give a short description of two methods of working a coal seam six feet thick, with tender roof and pavement, and pitching at an inclination of 35 Explain fully the circumstances under which each system is most suitable (15)

3. Describe the method of driving and timbering rapidly a large haulage road, with tender roof and pavement, showing how the alignment and gradient are kept (9)

4. State your views as to the causes of explosions in mines, and what precautions you would adopt to prevent them (10)

5. For what purpose is electricity used in the operation of coal mining? Name the four electrical units in common use and define each. Name the dangers in the use of electricity under ground that might be avoided by ordinary care. (10)

6. Describe with sketch how, and with what material you would build a dam in solid strata, to withstand a head of 580 feet of water. Give dimensions. (8)

7. Describe, with sketches, how you would lay out a shaft bottom, to handle an output of 800 tons per day of 8 hours. (10)

8. Two shafts are to be sunk to a depth of 500 feet, the one a downcast, and the other an upcast. The daily output of coal is 800 tons, and the water 300 gallons per minute from the bottom. Sketch and describe the forms and dimensions you would recommend for each shaft, giving details of lining, midwall, slides, etc. (11)

9. What are the causes of sudden outbursts of gas in coal mines, and what in your opinion should be done to prevent them? Explain fully. (9)

10. What are the advantages and disadvantages in the use of the different kinds of coal cutting machines, keeping in view health, safety and economy? Answer fully. (8)

MINE MANAGER'S EXAMINATION.

Paper No. 5.

Time allowed, three and one-half hours.

The value attached to each question is given in parenthesis. Candidates must obtain 60 per cent of the allotted marks to pass.

MACHINERY.

1. What is the effect of incrustation forming in a boiler, and how would you prevent it? Are there any dangers likely to arise from it? If so, state them. Mention some causes of priming in connection with steam boilers, and the methods you would adopt to prevent or diminish it. (8)

2. What is meant by "initial," "mean," "terminal," and "back pressure of steam?" (5)

3. What would be the size of a cylinder of a single engine geared in the ratio of 1 to 6 to a drum 5 feet in diameter in order to hoist a weight of 4,000 pounds from a shaft 85 feet deep in 45 seconds? (To allow for friction add one-fourth of the load to be hoisted; assume a mean effective steam pressure in the cylinder of 50 pounds per square inch.) (10)

4. Describe the working action of a forcing pump. (6)

5. Recognizing the losses arising in the use of compressed air, state generally what arrangements you would adopt with a view to obtaining the best results (10)

6. How would you proceed to determine the horse power of an engine from a diagram or diagrams taken by an indicator? Do you require one or more diagrams? ()

7. In deep winding shafts what are the best modes of counter-acting the weight of the winding rope, and what methods have been adopted for reducing the excessive strain on the rope at the point of starting? (8)

8. Give a short account of two principal methods of mechnaical haulage adopted underground, including the advantages and disadvantages peculiar to each (12)
9. What requirements for the preservation of winding ropes are necessary in the interests of safety? What kind and size of winding rope would you use to hoist a load of 5,000 pounds? (8)
10. What is meant by "electro-motive force," "ampere," "volt"? What is a horse-power generally taken at in dealing with electrical energy? (8)
11. What pressure per square inch will an air compressing engine produce under the following circumstances, viz : Two steam cylinders each 30 inches in diameter, 7-foot stroke, steam pressure 45 pounds per square inch, one air cylinder 36 inches in diameter, and one 20 inches in diameter? (10)
12. Compare the use of compressed air and electricity in coal mining, giving the advantages and disadvantages of each. (10)

MINE MANAGER'S EXAMINATION.

Paper No 6

Time allotted, three hours.

The value attached to each question is given in parenthesis Candi-
dates must obtain 60 per cent of the allotted marks to pass

LEVELLING

- 1 Describe how you would level a roal having a gradient of 1 in 1½, also how you would level a road having a gradient of 1 in 150 State your reasons for any alterations in the modes of doing so that you describe. ()
- 2 Fill in the following level notes, showing height of instrument, elevation and grade, and state what is the average grade from Station 0 to Station 18 Stations are 100 feet apart. ()

Station	B.S.	I.S.	FS	H.I	Elevation	Grade	Remarks
O.B M	6 70 ft.	.			20 00 ft.	.	
1.		3 40 ft					
2.		4 20 ft.					
3.		2 80 ft					
4.		5 70 ft.					
5.		1 80 ft.					
6 T.P.			2 90 ft.				
	8 30 ft.	.					
7.		7 40 ft					
8.		6 50 ft					
9.		2 80 ft.					
10.		8 40 ft.					
11.		3 50 ft.					
12.		2 40 ft.					
13.		4 70 ft					
14 T.P.			1 80 ft.				
	5 40 ft.	.					
15.		2 20 ft					
16		6 80 ft.					
17.		4 30 ft					
18.			3 82 ft				

3 Plot the notes given in question 2, on a vertical scale of 10 feet to the inch and a horizontal scale of 100 feet to the inch, marking on the number and elevation of each station. (25)

4. Describe an Engineer's level, and explain how you would determine whether or not the instrument was properly adjusted. (10)

5 Two drill holes one mile apart are put down to a seam of coal; the depth of the first is 634 feet, and that of the second 850 feet. The surface of the former is 25 feet above the top of the latter. What is the inclination of the coal seam between the two points measured in inches per year? (15)

6. Describe a levelling rod, and state for what purpose it is used (10)

MINE MANAGER'S EXAMINATION.

Paper No 7

Time allotted, three and one-half hours.

The value attached to each question is given in parenthesis. Candidates must obtain 60 per cent. of the allotted marks to pass.

SURVEYING AND MAPPING

1. What is meant by declination and variation when speaking of the compass? (10)

2. What are the ordinary sources of error to be avoided when laying down new surveys on old plans? (12)

3 Calculate by sines and cosines the bearing and length of the closing lines of the following traverse: (10)

<i>Station</i>	<i>Azimuth</i>	<i>Distance</i>
0 to 1	22.18 degrees	240 feet
1 to 2	68 15 degrees	305 feet
2 to 3	118 36 degrees	270 feet
3 to 4	172 45 degrees	380 feet
4 to 5	248 30 degrees	265 feet
5 to 6	285 14 degrees	160 feet

4. Plot the traverse given in question 3 on a scale of 100 feet to 1 inch, draw the closing line from station 0 to station 6 and calculate the area of the enclosed figure (15)

5 Give a general description of a theodolite and explain in detail the method of making an underground survey with it (10)

6 Explain what is understood by the terms "True North" and "Magnetic North" and how each is ascertained (10)

7 Explain in detail what steps you would take for connecting an underground survey with a surface plan so as to secure their true relationship. (10)

8 If a roadway is driven a distance of 500 feet on a rising grade of 10 degrees, what should be the distance represented on the mine plan, and what height has the breast attained above the gangway level? (10)

9 Draw to scale, showing side and elevation what you consider the best way of forming an air crossing in stoop and room workings (13)

PIT BOSS EXAMINATION.

*Paper No. 1.**Time allowed, two hours.*

The value attached to each question is given in parenthesis. Candidates must obtain 60 per cent. of the allotted marks to pass.

COAL MINES ACT.

1. What are the stipulations in The Coal Mines Act relating to the use and handling of explosives in mines? State fully. (12)
2. What are the qualifications and duties of a Pit Boss as laid down in The Coal Mines Act? (8)
3. What are the provisions of The Coal Mines Act with special reference to shafts and outlets? (7)
4. What are the provisions of The Coal Mines Act relating to ambulances or stretchers? (5)
5. What do the general rules say regarding signals and man holes on planes worked by machinery? (11)
6. State fully all the provisions of The Coal Mines Act as to the use and handling of safety lamps. A quantity of fire damp is found at the face of a working place; state what steps you would take to comply with the Act. (15)
7. State shortly the provisions of the Act with regard to the employment of females and boys. (10)
8. What are the provisions of the Act with regard to necessary ventilation? (10)
9. What are the provisions of The Coal Mines Act regarding abandoned mines? (7)
10. What are the provisions of The Coal Mines Act relating to the withdrawal of workmen in case of danger? (10)
11. What are the provisions of The Coal Mines Act relating to the inspection of machinery? (5)

PIT BOSS EXAMINATION.

*Paper No. 2.**Time allowed, two and one half hours.*

The value attached to each question is given in parenthesis. Candidates must obtain 60 per cent. of the allotted marks to pass.

VENTILATION.

1. What gases are met with underground, and to what extent are they dangerous in the air of mines? (12)
2. What dangers are to be apprehended from the presence of coal dust in dry mines? And what systematic precautions are best suited to them? (8)
3. What circumstances would guide you in determining what quantity of air was necessary for the ventilation of a mine? (7)
4. There is passing along an airway 35,000 cubic feet of air per minute. What will be the velocity per second if the size of the airway is 7.5 ft x 5.5 ft? (5)

5. Describe the water gauge and state where and why it is applied (8)
6. What horse power would an engine exert when yielding 60 per cent of duty to move 100,000 cubic feet of air per minute when the W.G. is 1 inch? (8)
7. A barometer registers 30 inches at the surface, what will it register at a point 1,890 feet below the surface? (8)
8. Explain the term "Motive column," and how is it expressed and how is it ascertained. (6)
9. A shaft is 500 yards deep and 16 feet in diameter. What is the extent of the rubbing surface? (5)
10. Describe the barometer. Of what use is it in connection with mine ventilation? (8)
11. Explain the principal and construction of a safety lamp of which you approve. What are the features that render one safety lamp more sensitive to gas than another? (11)
12. Ventilate the given plan showing direction of air currents and marking on all stoppings, doors, air crossings, etc. (14)

PIT BOSS EXAMINATION.

Paper No 3.

Time allowed, three and one-half hours.

The value attached to each question is given in parenthesis. Candidates must obtain 50 per cent of the allotted marks to pass.

PRACTICAL WORK.

1. Describe the process of timbering (a) Circular shaft; (b) Rectangular shaft, in soft ground. (11)
2. Explain with sketches, two methods of timbering a main haulage road in a seam 6 feet thick with soft roof, and pavement at a depth of 250 yards. Assume the size of the roadway, and give the dimensions of timber used. (12)
3. Assuming that a large number of accidents occur on underground haulage roads, what precautions and rules do you consider necessary to insure the safety of persons working and travelling on these roads? (8)
4. Explain the various kinds regular and irregular cleavages, joints and fractures which you have noticed in coal seams, and in the roofs of coal seams. Describe their influence on the mode of working, and the safety of the workmen. (9)
5. Explain in detail the precautionary measures you would adopt when driving towards old abandoned workings, which may contain an accumulation of gas or water (7)
6. In determining the size of a shaft pillar what effect will the depth of the shaft, and the inclination of the seam have? (5)
7. What explosive would you use for blasting in coal in a mine giving off C.H 4? Give your reasons for preferring it, and describe the method of procedure you would adopt if you were acting as shot lighter, from the time the hole is drilled until the workmen return to work after the shot is fired. In the event of a shot missing fire, what action would you take? (11)

8 What are winding and haulage ropes made of, and what regulations for their preservation are required in the interests of safety and economy? (10)

9 What observation and data are required to determine the quantity of air pass in a mine, and the efficiency of the ventilating appliances? (7)

10 Is spontaneous combustion possible in a coal mine? If so, what are the probable causes producing it, and what means would you employ to prevent it? In the event of a mine fire what precautions would you take to protect the workmen employed in extinguishing the same? (10)

11 How would you proceed to remove a body of C H 4 from a series of breasts pitching 30 degrees, the gas having accumulated during a stoppage of fan? (7)

12 In case a squeeze occurs in a mine of which you had charge, endangering a heading and threatening to shut off part of the work, how would you proceed to stop its progress? (6)

PIT BOSS EXAMINATION

Paper No 4.

Time allowed, three and one-half hours.

The value attached to each question is given in parenthesis. Candidates must obtain 50 per cent of the allotted marks to pass

MACHINERY

1 What is the object of a safety valve on a steam boiler? What form of safety valve would you use? Describe it and give your reasons for preferring it. (10)

2 Explain what you mean by the term "unit of work," and the term "unit of heat"? How was the term horse-power arrived at and what does it represent? (8)

3 Show how you would determine the horse-power of a pair of engines 24 inch cylinders and 4 feet stroke, running 50 revolutions a minute, and having an average effective steam pressure of 50 pounds per square inch. What do you understand by the term average effective pressure? (12)

4. What provisions would you make at a colliery for keeping up the ventilation in case of a break-down on the ventilating appliances? In the event of a serious stoppage of ventilation when the men were at work, what action would you take? (9)

5. Describe briefly how you would prevent the oscillation of the bucket in a shaft being sunk to a considerable depth (10)

6 Describe in general terms the plant you would require for sinking operations (9)

7. Is it necessary in colliery winding engines on the second motion to have a brake applied both to the crank shaft and also to the drum itself? Give reasons for your answer (6)

8. If you were asked to advise generally as to the safety appliances in colliery winding, what generally would be the appliances you would recommend? (8)

9. What are the dangers to be apprehended in connection with the application of electricity to mining operations? What precautions would you take to guard against these dangers? (10)

10. What is the safe working load for a steel hoisting rope seven-eighth inch in diameter? (10)
11. What useful horse-power is expended in raising 435 gallons of water per minute to a height of 528 feet? (8)

PIT BOSS EXAMINATION

Paper No. 5.

Time allowed, three and one-half hours.

The value attached to each question is given in parenthesis. Candidates must obtain 60 per cent of the allotted marks to pass.

SURVEYING AND LEVELLING.

1. Describe how you would make a survey of under-ground workings, where in many places the needle is liable to be affected by attraction. (12)
2. Plot the following compass survey to a scale of 100 feet to the inch:

Station	Bearing	Distance
1	S 47° E	240 feet
2	S. 79½° W.	130 feet
3	S. 30¼° W.	210 feet
4	N. 62½° W.	325 feet
5	N. 41° E.	230 feet (15)

3. Give the bearing and length of the closing line of the above survey. (10)
4. Describe how you would proceed to level with a spirit level, and a straight edge, and also with a regular levelling instrument, and under what conditions you would use the one in preference to the other. (14)
5. Show by diagram how you would have the sights of a compass placed in relation to the needle in laying out a roadway to be driven N 75° W. (9)
6. What are the dangers and consequent results arising from not having accurate and complete surveys of the workings of a mine? (12)
7. An anemometer registers 30,000 feet velocity per hour in an airway 8 feet by 5 feet. What is the volume of the air passing per minute and how would you ascertain whether or not the anemometer is in good working order? (9)
8. Describe how you would proceed to put up sights for the guidance of workmen in driving their working places. (11)
9. What angle is included between N. 87½° E. and S. 15° W.? (8)

FIRE BOSS EXAMINATION.

Paper No. 1.

Time allowed, three hours.

The value attached to each question is given in parenthesis. Candidates must obtain 60 per cent. of the allotted marks to pass.

COAL MINES ACT

1. State the requirements of The Coal Mines Act as to the duties and qualifications of: (a) Fire Boss, (b) Shot-lighter Write an imaginary report you would make after examining a mine as Fire Boss. (12)
- 2 What are the provisions of The Coal Mines Act relating to the use of safety lamps? (16)
- 3 State the provisions of The Coal Mines Act regarding man-holes. (14)
- 4 What are the provisions of The Coal Mines Act relating to the use and handling of explosives in mines? (16)
5. What are the provisions of The Coal Mines Act regarding the appointing of stations at a mine? (10)
- 6 What does The Coal Mines Act say regarding: (a) Inspection of Machinery; (b) Fencing of Machinery? (10)
- 7 What are the provisions of the General Rules regarding the division of a mine into districts? (10)
- 8 If you found a part of a mine dangerous from any cause whatever, when making your daily inspection while the men are at work, state fully what action you would take. (12)

FIRE BOSS EXAMINATION.

Paper No. 2.

Time allowed, two and one-half hours.

The value attached to each question is given in parenthesis Candidates must obtain 60 per cent. of the allotted marks to pass

VENTILATION.

1. What noxious gases are met with in coal mines? Give their composition, and say under what conditions they are found. (14)
- 2 Describe in detail how you would test for gas with an ordinary safety lamp so as to incur the least risk to yourself during the test How would you tell whether or not gas was present in dangerous quantities? (11)
3. Give a short description of the barometer and thermometer. Explain the action of each, and say what their use is in connection with the ventilation of mines. (11)
4. Ventilate the given plan, showing direction of air currents, and marking on all stoppings, doors, air-crossings, etc (15)
5. Describe the construction of a safety lamp of which you approve. Give your reasons for approving of it and say what are the essential features of a good safety lamp (9)
6. Is coal dust dangerous in a mine without the presence of C.H.₄? If so, describe the conditions under which it becomes dangerous, and say what precautions you would take to overcome these dangers. (8)
7. Make a neat sketch of a stopping you would build in a cross-cut between the main intake and main return airways of a pitching seam giving off a quantity of C.H.₄ Give dimensions and material used. (9)
8. What precautions would you adopt to prevent loss of life and property in mines subject to sudden outbursts of carbureted hydrogen? (10)

9. Which do you consider should be the larger, the main intake or return airway, and why? (6)
10. What are the dangers due to shot-firing in gaseous mines and what precautions would you adopt to prevent these dangers? (7)

FIRE BOSS EXAMINATION.

Paper No. 3.

Time allowed, two hours.

The value attached to each question is given in parenthesis. Candidates must obtain 50 per cent. of the allotted marks to pass.

PRACTICAL WORK.

1. Give a full account of your experience in coal mining (12)
2. Describe two methods of firing shots. Say which you prefer and give reasons. Under what conditions would you prohibit shot firing? (11)
3. How would you determine whether a fault met with in the coal was a downthrow, upthrow or overlap? Describe how you would prove the fault. (11)
4. State in detail what precautionary measures you would adopt when approaching old abandoned workings. (12)
5. Give your opinions as to the comparative efficiency and safety of (a) black powder; (b) monobel powder; (c) dynamite. Say under what conditions you would use each. (14)
6. Describe with sketch the driving and timbering of a main haulage road with soft roof and pavement. Show how the alignment and gradient are kept. (14)
7. Describe with sketch the principle and action of the syphon. (11)
8. Describe a longwall system of working for moderately thick seams (15)

FIRE BOSS EXAMINATION.

Paper No. 4.

Time allowed, one hour.

The value attached to each question is given in parenthesis. Candidates must obtain 50 per cent. of the allotted marks to pass.

ARITHMETIC.

1. What is the area of a roadway 10 ft. 4 inches wide at the top by 9 ft. 3 inches wide at the bottom by 8 feet high? (12)
2. Divide 8758923 by 1934 and multiply the result by the difference between 3867 and 233. Work your answer to three places of decimals. (12)
3. A rectangular shaft 16 ft. by 9 ft. is sunk to a depth of 150 yards. How many cubic feet of material have been excavated from it? (14)
4. The velocity of the air in an airway is 6 ft. per second. What is the total quantity passing per minute if the size of the airway is 8 ft. 6 in. by 5 ft. 3 in.? (12)

5 There are 900 yards of roadway to be timbered every four feet with props 5 feet long on each side of the road. How many lineal feet of prop wood will be required, and what length of crown trees will be required for same road if each crown tree is 5 feet long? (14)

6. If 150 cubic feet of air per minute is required for each man and horse employed in a mine, what total quantity per minute will be required if 85 men and four horses are employed on each of two shifts? The horses remain in the mine and are not taken out at the expiration of the shift (15)

7. A mine working eight hours per day produces a daily output of 950 short tons, how many mine cars per hour will be required to handle this output if each car carries 2,300 pounds? (10)

8 A pump working 10 hours per day pumps 250 gallons of water per minute from a mine. What is the total feeder of water in gallons per 24 hours? (11)

WAGES.

The scale of wages paid in the province during 1910 was practically the same as that paid during the two previous years

The general wage schedule for day labour is as follows:

Inside Men

Fire bosses	\$85 00 to	\$110 00 per month.
Shotlighters	3 00 to	3 50 per day (8 hrs.)
Bratticemen		3 00 " "
Bratticemen helpers		2 50 " "
Timbermen		3 00 " "
Timbermen helpers		2 75 " "
Drivers		2 75 " "
Drivers, wet places		3 00 " "
Team drivers		3 00 " "
Tracklayers		3 00 " "
Tracklayers' helpers		2 75 " "
Rock miners		3 50 " "
Miners		3 00 " "
Miners, wet places		3 50 " "
Locomotive engineers		3 00 " "
Switchmen		2 75 " "
Chute loaders		2 75 " "
Labourers		2 50 " "
Timber handlers		2 75 " "
Machine men		3 50 " "
Machine men helpers		3 00 " "
Switch boys		1 50 " "
Door boys		1 50 " "
Hoistmen		3 00 " "
Rope riders		2 75 " "
Couplers, boys		1 50 " "
Couplers, men		2 50 " "
Pushers	\$2 75 to	3 00 " "

Outside Men.

Pithead men	\$2 50 per day (10 hrs)
Dumpers	2 50 " "
Slate pickers, men	2 00 " "
Slate pickers, boys	1 25 " "
Car oilers, boys	1 25 " "
Car oilers, men	2 00 " "
Tally boys	1 25 " "
Teamsters	2 50 " "
Blacksmiths	3 50 " "

Blacksmiths' helpers	\$2 50	per day (10 hrs)
Mine carpenters	3 50	" "
Mine carpenters' helpers	2 50	" "
Car repairers	3 00	" "
Power house engineers	3 50	" "
Tipple engineers	3 25	" "
Locomotive engineers	3 25	" "
Locomotive engineers' helpers	2 80	" "
Firemen	2 50	" (8 hrs.)
R.R. car handlers	2 40	" (10 hrs)
Fanmen	2 50	" (12 hrs.)
Outside labourers	2 25	" (10 hrs)
Fan firemen	3 00	" (12 hrs.)
Lampmen	2 50	" (8 hrs)
Machinists	3 20	" (10 hrs.)
Machinists' helpers	2 50	" "
Couplers	2 25	" "
Sawyer ...	3 00	" "

PROSPECT WORK.

The number of new railways which are being built throughout the province has had a tendency to increase the activity in prospecting and locating new coal areas, more especially in that part of the province west of Edmonton. A number of large coal areas have been prospected in this district during the past year, and valuable coal seams exposed.

A large amount of prospect work has been done in the Kananaskis Valley and a considerable number of workable seams exposed. The coal in this district has been proved to be of a very high grade quality of steam coal.

Considerable prospecting work has also been done to the south of the Crow's Nest Line of railway, in the district known as the south fork of the Old Man River, where a number of workable seams have been proved.

A number of bore holes have been put down and large areas of coal proved in the Lethbridge district also, and a large development in the domestic coal field may be confidently expected.

During the past year a number of new mines have been opened up, and a still further increased activity during the year 1911 may be looked for as there is every indication of a still larger number of new mines being opened up.

I have the honour to be, Sir,

Your obedient servant,

JOHN T. STIRLING,
Provincial Inspector of Mines

LOCAL IMPROVEMENT BRANCH

EDMONTON, Alberta, September 26, 1911

JOHN STOCKS, Esq.,
Deputy Minister of Public Works,
Edmonton

SIR.—I beg to submit herewith the following report for the Local Improvement Branch of the Department of Public Works for the year 1910.

The great increase in the population of the province is causing the work of this branch to increase steadily from year to year. The

total amount of taxes and fees collected through this branch during the year 1910 from assessments levied under the Local Improvement Act and Educational Tax Act, together with arrears collected for small local improvement districts, school districts and villages, was \$272,887 21

The number of tax certificates issued during the year 1910 was greatly in excess of the number issued in the year 1909. Previous to the year 1910 a separate tax certificate has been issued for each different tax outstanding against the land mentioned. In the year 1910 a change was made whereby one tax certificate was issued covering all taxes. A fee of 50c. is charged for each of these certificates. During the year 1910 we issued 9,504 of these certificates. This number of certificates represented some 19,008 searches as compared to 12,465 searches in the year 1909.

Forfeiture proceedings were taken during the year under the provisions of The Local Improvement Act, Village Act, School Assessment Ordinance, and Educational Tax Act. By these proceedings we were enabled to collect a good deal of the arrears of taxes outstanding on patented lands. The courts in connection with these proceedings were held in the month of April; such courts being held at seven different places in the province, namely: Vermilion, Edmonton, Wetaskiwin, Calgary, Medicine Hat, Lethbridge, and Macleod.

LARGE LOCAL IMPROVEMENT DISTRICTS.

The total assessment levied in large local improvement districts in the year 1910 amounted to \$204,070 96 as compared with a total of \$168,299.63 in the year 1909. The total amount collected from large local improvement taxes during the year 1910 was \$79,123 14.

In connection with the assessment in large local improvement districts, I may say that we experience a good deal of difficulty in obtaining reliable information as to the post office addresses of many of the ratepayers. Much of the land is held under agreement of sale which is not registered at the land titles office, and unless the registered owner in whose name the land is assessed advises us of the sale, we are not in a position to issue a copy of the assessment notice to the purchaser of the land assessed.

We have also great difficulty in reaching homesteaders on account of the fact that many of these are absent from their homesteads for quite a long period in each year, and the notice sent to the post office nearest their homestead is returned marked "not called for." The continual establishment of new mail routes and new post offices in the newer portions of the province also add to our difficulty in reaching the homesteaders with their assessment notices. Where notices to homesteaders are returned, we are in a great many cases issuing second notices to the next nearest post office to the land assessed, and thus overcome as much as possible the fact that the homesteaders have no registered post office address in the same way as owners of land under title.

SMALL LOCAL IMPROVEMENT DISTRICTS.

There were two hundred and four small local improvement districts fully organized and carrying on business in the province at the end of the year, sixteen new districts having been organized during the year. In addition to this organization township 19 in ranges 21 and 22 were organized and added to District 9-R-4.

The work of auditing the books of the different small local improvement districts throughout the province was carried on as usual during the year, and from our auditors' reports it would appear that the districts are making good progress along this line and realize that it is necessary for them to have the books and records of the district properly kept if they wish to carry on business successfully.

The number of districts obtaining supplies from the department is steadily increasing, as many of them appear to find it inconvenient to obtain supplies locally. The sale of supplies during the year amounted to \$877.96.

The arrears of taxes and fees collected in connection with the small local improvement districts amounted to \$46,403 12. The taxes thus collected were forwarded to the secretary-treasurers of the districts to which they belonged to be used by the councils of the districts.

The great question in regard to the work of small local improvement districts is still the obtaining of satisfactory returns for assessment levied. I am glad to note, however, that many of the districts are taking hold of the work and adopting methods which are giving better results than they have obtained in the past. There is, however, still room for improvement in many districts.

In some districts there appears to be a tendency for each councillor to act as though he had nothing whatever to do with any work in the district except what is carried on in the division he represents. According to the Act, however, all the work of the district is under the control of the council of the district as a whole, and I think that better progress is made where councillors deal with the work of the district along the lines provided for by the Act. Where the work of the district is dealt with as a whole by all the councillors of the district, it is likely to be of greater use to the ratepayers of the district than if the work of each division is dealt with separately by the councillor representing the division without regard to the system of road improvement that is being followed in the other divisions. Where all the work of the district is dealt with by the council of the district as a whole, it does away with the complaints we sometimes receive from ratepayers about individual councillors having improvements carried on in their division which are of little value to the majority of the ratepayers of the division as the other councillors have authority in such cases to over-rule the recommendation of the councillor of the division and may cause the work to be performed where it will be of most service to the ratepayers of the division.

The following is a complete list of all small local improvement districts in existence at the end of the year 1910 together with the date of organization, the area of each district, the name of the secretary-treasurer and the rate of assessment which was levied in the past year:

19-A-4—Organized 1910.—Townships 37 and 38 in ranges 1 and 2, west of the fourth meridian. Secretary-treasurer, F. C. Schneider, Rosenheim, Alberta. Rate of assessment 1910, \$2.00 per quarter section.

20-A-4.—Organized 1910.—Townships 39 and 40 in ranges 1 and 2, west of the fourth meridian. Secretary-treasurer, J. G. McKay, Provost, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

24-A-4—Organized 1908.—Townships 47 and 48 in ranges 1 and 2, west of the fourth meridian. Secretary-treasurer, Jno. G. Barclay, Rising Sun, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

25-A-4—Organized 1906.—Townships 49 and 50 in ranges 1 and 2, west of the fourth meridian. Secretary-treasurer, A. J. Blackwell, Lloydminster, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

26-A-4—Organized 1906.—Townships 51 and 52 in ranges 1 and 2, and township 53 in range 2, west of the fourth meridian. Secretary-treasurer, H. C. Rawle, Lloydminster, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

5-B-4—Organized 1905.—Townships 9 and 10 in ranges 2, 3 and 4, west of the fourth meridian. Secretary-treasurer, J. F. O. Barschel, Irvine, Alberta. Rate of assessment 1910, \$2.80 per quarter section.

6-B-4—Organized 1906.—Townships 11 and 12 in ranges 4 and 5, west of the fourth meridian. Secretary-treasurer, G. Jenkins, Medicine Hat, Alberta. Rate of assessment 1910, \$2.00 per quarter section.

20-B-4—Organized 1909.—Townships 39 and 40 in ranges 3 and 4, west of the fourth meridian. Secretary-treasurer, A. P. Holmquist, Cadogan, Alberta. Rate of assessment 1910, \$3.20 per quarter section.

26-B-4—Organized 1905.—Townships 50, 51 and 52 in ranges 3 and 4, west of the fourth meridian. Secretary-treasurer, W. Ashworth, Kitscoty, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

27-B-4—Organized 1907.—Township 53 in ranges 3 and 4, township 54 in range 4; south of river of township 54 in range 3, west of the fourth meridian. Secretary-treasurer, R. F. Blair, Dewberry, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

23-C-4—Organized 1909.—Townships 43 and 44 in range 5, portion of township 43, range 6, not included in Buffalo Park, township 44 in range 6 and part of 44, range 7, not included in Buffalo Park, west of the fourth meridian. Secretary-treasurer, C. F. Gibson, Greenshields, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

24-C-4—Organized 1909.—Township 45 in ranges 5 and 6, pt. south and east of river of township 45 in ranges 7 and 8, parts south and east of river of township 46, ranges 6 and 7, townships 46 and 47 in range 5, township 47, range 6, west of the fourth meridian. Secretary-treasurer, D. W. Hansen, Wainwright, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

25-C-4—Organized 1908.—Portion north of Battle River of townships 47 and 48 in range 5, portion north of Battle river of townships 46 and 47, range 6, townships 48 and 49, range 6, township 49, range 5, west of the fourth meridian. Secretary-treasurer, E. C. Symes, Battle View, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

26-C-4—Organized 1906.—Townships 50, 51 and 52 in ranges 5 and 6, west of the fourth meridian. Secretary-treasurer, E. Covey, Vermilion, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

27-C-4—Organized 1909.—Townships 53 and 54 in ranges 5 and 6, west of the fourth meridian. Secretary-treasurer, F. Lawes, Wellsdale, via Islay, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

28-C-4—Organized 1910.—Sections 1 to 30 in township 55, range 5, all of township 55 in range 6, portions south of river of townships 56 in ranges 5 and 6, and sections 31 to 36 in township 55, range 5, west of the fourth meridian. Secretary-treasurer, Geo. Wm. Emery, Landonville, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

21-D-4—Organized 1909.—Townships 41 and 42, range 8; portion south and east of river of township 41 in ranges 9 and 10, portion south and east of river of township 42 in ranges 9 and 10, west of the fourth meridian. Secretary-treasurer, S. W. Oxford, Hardisty, Alberta. Rate of assessment 1910, \$6.40 per quarter section.

23-D-4—Organized 1909.—Portion north of river of townships 45 and 46 in range 7, portion north of river of township 45, range 8, township 46, range 8, west of the fourth meridian. Secretary-treasurer, C. T. Hill, Irma, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

24-D-4—Organized 1908.—Townships 47 and 48 in ranges 7 and 8, west of the fourth meridian. Secretary-treasurer, Harry A. Sproule, Orbindale, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

25-D-4—Organized 1907.—Townships 49 and 50 in ranges 7 and 8, west of the fourth meridian. Secretary-treasurer, J. A. McCallum, Mannville, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

26-D-4—Organized 1906.—Townships 51 and 52, ranges 7 and 8, west of the fourth meridian. Secretary-treasurer, G. M. Cundal, Mannville, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

27-D-4—Organized 1910.—Townships 53 and 54 in ranges 7 and 8, west of the fourth meridian. Secretary-treasurer, Keith A. Maughan, Maughan, Alberta. Rate of assessment 1910, \$6.40 per quarter section.

19-E-4—Organized 1907.—Townships 37 and 38 in ranges 9 and 10, west of the fourth meridian. Secretary-treasurer, R. W. Preston, Talbot, Alberta. Rate of assessment 1910, \$4.00 per quarter section.

20-E-4—Organized 1907.—Township 39 in ranges 9 and 10, and part east of the river of township 40 in ranges 9 and 10, west of the fourth meridian. Secretary-treasurer, W. Learmonth, Puffer, Alberta. Rate of assessment 1910, \$6.40 per quarter section.

21-E-4—Organized 1909.—Part north and west of the Battle River of township 40, range 9, part north and west of Battle River of townships 39 and 40, range 10; part west of Battle River of township 41 in ranges 9 and 10, sections 1, 2, 11, 12, 13, 14, 23, 24, 25, 26, 35 and 36 in township 41, range 11; part west of Battle River of township 42, in ranges 9 and 10, sections 1, 2, 11, 12, 13, 14, 23, 24, 25, 26, 35 and 36 in township 42, range 11, west of the fourth meridian. Secretary-treasurer, D. Williamson, Hardisty, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

23-E-4—Organized 1910.—Townships 45 and 46 in ranges 9 and 10, west of the fourth meridian. Secretary-treasurer, C. B. McKee, Jarrow, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

25-E-4—Organized 1907.—Townships 49 and 50 in ranges 9 and 10, west of the fourth meridian. Secretary-treasurer, Jas. N. Bryden, Mannville, Alberta. Rate of assessment 1910, \$5 60 per quarter section.

26-E-4—Organized 1906.—Townships 51 and 52 in ranges 9, 10 and 11, west of the fourth meridian. Secretary-treasurer, T. J. Marshall, Delnorte, Alberta. Rate of assessment 1910, \$5 60 per quarter section.

27-E-4—Organized 1909.—Townships 53 and 54 in ranges 9 and 10, west of the fourth meridian. Secretary-treasurer, D. S. Philbreck, Myrnam, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

30-E-4—Organized 1910.—Townships 59 and 60 in ranges 9 and 10 west of the fourth meridian. Secretary-treasurer, Albert Adam, Lac St. Vincent, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

19-H-4—Organized 1907.—Townships 37 and 38 in ranges 11 and 12 and part south of the river of township 39 in ranges 11 and 12, west of the fourth meridian. Secretary-treasurer, C. R. Tilleson, Lindsville, Alberta. Rate of assessment 1910, \$6 00 per quarter section.

20-H-4—Organized 1907.—Part north of Battle River of township 39 in ranges 11 and 12, township 40 in ranges 11 and 12, west of the fourth meridian. Secretary-treasurer, L. K. Cranmer, Flagstaff, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

21-H-4—Organized 1907.—Sections 3 to 10 inclusive, 15 to 22 inclusive, and 27 to 34 inclusive in township 41, range 11; townships 41 and 42 in range 12, sections 3 to 10 inclusive, 15 to 22 inclusive, and 27 to 34 inclusive in township 42, range 11, west of the fourth meridian. Secretary-treasurer, H. W. Nice, Bellshill, Alberta. Rate of assessment 1910, \$6 00 per quarter section.

22-H-4—Organized 1906.—Townships 43 and 44 in ranges 10, 11 and 12, west of the fourth meridian. Secretary-treasurer, Thos. H. White, Loughheed, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

23-H-4—Organized 1910.—Townships 45 and 46 in ranges 11 and 12, west of the fourth meridian. Secretary-treasurer, William Eckert, Jarrow, Alberta. Rate of assessment 1910, \$2.00 per quarter section.

24-H-4—Organized 1905.—Townships 47 and 48 in ranges 11 and 12, west of the fourth meridian. Secretary-treasurer, D. T. Greene, Viking, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

25-H-4—Organized 1905.—Townships 49 and 50 in ranges 11 and 12, west of the fourth meridian. Secretary-treasurer, Geo. R. Cross, Ranfurly, Alberta. Rate of assessment 1910, \$6 00 per quarter section.

27-H-4—Organized 1909.—Townships 53 and 54 in ranges 11 and 12, west of the fourth meridian. Secretary-treasurer, G. L. Smith, Lanuke, Alberta. Rate of assessment 1910, \$6 00 per quarter section.

28-H-4—Organized 1909.—Portion south of Saskatchewan River of township 55 in ranges 11 and 12; part north and east of Saskatchewan River in townships 55 and 56 in range 12; part north of Saskatchewan River in township 55, range 11; township 56, range 11; part not in Indian Reserve of township 57, range 11, west of the fourth meridian. Secretary-treasurer, F. H. Boileau, Duvernay, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

15-J-4—Organized 1910.—Townships 29 and 30 in ranges 13 and 14, west of the fourth meridian. Secretary-treasurer, A. H. Benedict, Copeville, Alberta. Rate of assessment 1910, \$2.00 per quarter section.

18-J-4—Organized 1910.—Townships 35 and 36 in ranges 13 and 14, west of the fourth meridian. Secretary-treasurer, C. N. Hughes, Castor, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

19-J-4—Organized 1907.—Townships 47 and 48 in ranges 11 and 12, west of the fourth meridian. Secretary-treasurer, R. B. Auxier, Ingleton, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

20-J-4—Organized 1907.—Parts south of the river of townships 39 and 40 in range 13, and township 39 in range 14; part south of river of township 40 in range 14, west of the fourth meridian. Secretary-treasurer, G. L. Rutherford, Ingleton, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

21-J-4—Organized 1907.—Part north of river of townships 39 and 40 in range 13; part north of river of townships 40 and 41, range 14; townships 41 and 42 in range 13; township 42 in range 14, west of the fourth meridian. Secretary-treasurer, W. H. Stewart, Merna, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

22-J-4—Organized 1906.—Townships 43 and 44 in ranges 13 and 14, west of the fourth meridian. Secretary-treasurer, E. H. Malcolm, Killam, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

23-J-4—Organized 1906.—Townships 45 and 46 in ranges 13 and 14, west of the fourth meridian. Secretary-treasurer, W. W. L. Ruzicka, Prague, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

24-J-4—Organized 1906.—Townships 47 and 48 in ranges 13 and 14, west of the fourth meridian. Secretary-treasurer, L. S. Gossman, Harland, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

25-J-4—Organized 1905.—Townships 49 and 50 in ranges 13 and 14, west of the fourth meridian. Secretary-treasurer, Peter Saddaby, Lavoy, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

26-J-4—Organized 1905.—Townships 51 and 52 in ranges 12, 13 and 14, west of the fourth meridian. Secretary-treasurer, G. Card, Vegreville, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

27-J-4—Organized 1905.—Townships 53 and 54 in ranges 13 and 14, west of the fourth meridian. Secretary-treasurer, E. H. Wynn-McKenzie, Warwick, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

28-J-4—Organized 1905.—Township 57, range 12, part south and west of the river of township 56, range 12; townships 55 and 56 in range 13, part south of river of township 57 in range 13, townships 55 and 56, in range 14; part south of river of township 57 in range 14, west of the fourth meridian. Secretary-treasurer, C. T. McGowan, Hairy Hill, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

19-M-4—Organized 1906.—Townships 37 and 38 in ranges 15 and 16, west of the fourth meridian. Secretary-treasurer, R. S. Groat, Emsburg, via Stettler, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

20-M-4—Organized 1906.—Township 39 in ranges 15 and 16, parts south of the river of townships 40 in ranges 15 and 16, west of the fourth meridian. Secretary-treasurer, A. Edgeworth, Foreman, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

21-M-4—Organized 1905.—Part north of the river of township 40 in range 15; townships 41 and 42 in range 15; parts north and east of river in township 41, range 16, all township 41 in range 17; all township 42 in range 16, and parts east of the river of township 42 in range 17, west of the fourth meridian. Secretary-treasurer, W. J. Jones, Duxsbury. Rate of assessment 1910, \$8 00 per quarter section.

22-M-4—Organized 1904.—Townships 43 and 44 in ranges 15 and 16, west of the fourth meridian. Secretary-treasurer, F. R. Bowlby, Spring Lake, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

23-M-4—Organized 1906.—Townships 45 and 46 in ranges 15 and 16, west of the fourth meridian. Secretary-treasurer, E. H. Dawson, Daysland, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

24-M-4—Organized 1906.—Townships 47 and 48 in ranges 15 and 16, west of the fourth meridian. Secretary-treasurer, Austin Dronney, Scona, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

25-M-4—Organized 1904.—Townships 49 and 50 in ranges 15 and 16, west of the fourth meridian. Secretary-treasurer, S. J. Langum, Martins, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

26-M-4—Organized 1904.—Townships 51 and 52 in ranges 15 and 16, part east of B. Lake of townships 51 and 52 in range 17, west of the fourth meridian. Secretary-treasurer, Henry Trenhaile, Vegreville, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

27-M-4—Organized 1904.—Townships 53 and 54 in ranges 15 and 16, west of the fourth meridian. Secretary-treasurer, Peter Svarich, Box 40, Vegreville, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

28-M-4—Organized 1904.—Townships 55 and 56 in ranges 15 and 16, west of the fourth meridian. Secretary-treasurer, Thos. Hall, Whitford, Alberta. Rate of assessment 1910, \$4 00 per quarter section.

29-M-4—Organized 1904.—Parts south and west of the river of townships 57 and 58 in range 15, township 57, range 16, part south and west of the river of

township 58, range 16, west of the fourth meridian. Secretary-treasurer, Elias Marantz, Hunka, Alberta. Rate of assessment 1910, \$5.00 per quarter section.

30-M-4—Organized 1906.—Parts north of river of township 57 in ranges 14 and 15, township 58, range 14, part north of river of township 58, range 15; township 59 in ranges 14 and 15, west of the fourth meridian. Secretary-treasurer, Wm. Hawreliak, Shandro, Alberta. Rate of assessment 1910, \$5.60 per quarter section.

15-N-4—Organized 1910.—Townships 29 and 30 in ranges 17 and 18, west of the fourth meridian. Secretary-treasurer, A. M. Dunn, Delia, Alberta. Rate of assessment 1910, \$2.00 per quarter section.

19-N-4—Organized 1907.—Townships 37 and 38 in ranges 17 and 18, west of the fourth meridian. Secretary-treasurer, J. Skoedopole, Botha, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

20-N-4—Organized 1904.—Townships 39 and 40 in ranges 17 and 18, west of the fourth meridian. Secretary-treasurer, Dr. Creighton, Red Willow, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

21-N-4—Organized 1905.—Portions south and west of river of township 41 in ranges 16 and 17, townships 41 and 42 in range 18, portion south and west of river of township 42, range 17; portion south of river of township 43, ranges 17 and 18 and portion south of river of township 44, range 18, west of the fourth meridian. Secretary-treasurer, O. O. Broughton, Norbo, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

22-N-4—Organized 1904.—Township 44, range 17; part north of river of township 43 in ranges 17 and 18, portion north of river of township 44 in range 18, and portion north of river and lake of township 44 in range 19, west of the fourth meridian. Secretary-treasurer, Geo. W. Sawyer, Ferry Point, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

23-N-4—Organized 1905.—Townships 45 and 46 in ranges 17 and 18, west of the fourth meridian. Secretary-treasurer, O. E. Olesberg, Bawlf, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

24-N-4—Organized 1905.—Townships 47 and 48 in ranges 17 and 18, west of the fourth meridian. Secretary-treasurer, Frank Ewald, Camrose, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

25-N-4—Organized 1905.—Townships 49 and 50 in ranges 17 and 18 west, of the fourth meridian. Secretary-treasurer, L. Anderson, Ryley, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

26-N-4—Organized 1906.—Townships 51 and 52 in ranges 18 and 19, and township 51 in range 20, west of the fourth meridian. Secretary-treasurer, A. J. H. McCauley, Tofield, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

27-N-4—Organized 1906.—Townships 53 and 54 in ranges 17 and 18, west of the fourth meridian. Secretary-treasurer, Herman A. Schole, Chipman, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

28-N-4—Organized 1904.—Townships 55 and 56 in ranges 17 and 18, west of the fourth meridian. Secretary-treasurer, Theo. Memirsky, Wostok, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

29-N-4—Organized 1904.—Township 57 in ranges 17 and 18, parts south of the river of township 58 in range 18, south of river of township 58 in range 17, all township 57, range 19, south of the river of township 57, range 20, and township 58, range 19, and the part east of the river of township 58, range 20, west of the fourth meridian. Secretary-treasurer, Jno. Kosure, Leeshore, Alberta. Rate of assessment 1910, \$4.00 per quarter section.

30-N-4—Organized 1905.—Part north of the river of township 58 in ranges 16 and 17, part south of river of township 58 in range 17, all township 58 in range 18 and all townships 59 in ranges 16, 17 and 18, west of the fourth meridian. Secretary-treasurer, W. E. Gullion, Pakan, Alberta. Rate of assessment 1910, \$5.00 per quarter section.

8-P-4—Organized 1910.—Townships 15, 16 and 17 in ranges 19 and 20, west of the fourth meridian. Secretary-treasurer, A. C. Galbraith, Brunetta, Alberta. Rate of assessment 1910, \$2.00 per quarter section.

15-P-4—Organized 1910.—Portions north and east of river of township 29 in ranges 19, 20 and 21, portions north and east of river of township 30 in range 21, west of the fourth meridian, and townships 30 in ranges 19 and 20, west of the fourth meridian. Secretary-treasurer, W. S. Turner, Fox Coulee, Alberta. Rate of assessment 1910, \$3.20 per quarter section.

19-P-4—Organized 1907.—Townships 37 and 38 in ranges 19 and 20, west of the fourth meridian. Secretary-treasurer, J. H. Bradley, Lowden Lake, Alberta. Rate of assessment 1900, \$8.00 per quarter section.

20-P-4—Organized 1906.—Townships 39 and 40 in ranges 19 and 20, west of the fourth meridian. Secretary-treasurer, L. B. Fisher, Stettler, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

21-P-4—Organized 1906 —Townships 41 and 42 in ranges 19 and 20, west of the fourth meridian. Secretary-treasurer, Geo. A. Wells, Whitebrush, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

22-P-4—Organized 1904 —Township 43 in ranges 19 and 20; part west of the river of township 44 in range 19 and all township 44 in range 20, west of the fourth meridian. Secretary-treasurer, W. F. Wendt, Edberg, Alberta. Rate of assessment, 1910, \$8 00 per quarter section.

23-P-4—Organized 1904 —Townships 45 and 46 in range 19, parts north and east of river of township 45 in range 20, river lots 21, 22, 23 and 24, sections 13, 24, 25 and 36 in township 46, range 21, and all township 46 in range 20, west of the fourth meridian. Secretary-treasurer, A. W. Flemming, Ohaton, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

24-P-4—Organized 1904.—Townships 47 and 48 in ranges 19 and 20, west of the fourth meridian. Secretary-treasurer, E. L. Scotvold, Camrose, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

25-P-4—Organized 1904 —Townships 49 and 50 in ranges 19 and 20, west of the fourth meridian. Secretary-treasurer, Wm. Thomson, Tofield, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

27-P-4—Organized 1905 —Townships 53 and 54 in ranges 19 and 20, west of the fourth meridian. Secretary-treasurer, W. H. Mair, Chipman, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

28-P-4—Organized 1904 —Townships 55 and 56 in ranges 19 and 20, east of the river of township 55 in ranges 21 and 22, and east of the river of township 56 in range 21, west of the fourth meridian. Secretary-treasurer, Julius Krause, Bruderheim, Alberta. Rate of assessment 1910, \$5 00 per quarter section.

29-P-4—Organized 1908.—Parts north of the river of townships 57 and 58 in range 20, all township 59 in ranges 19 and 20, and part north of the river of township 58 in range 19, west of the fourth meridian. Secretary-treasurer, J. B. Hall, Pine Creek, Alberta. Rate of assessment 1910, \$5 00 per quarter section.

8-R-4—Organized 1910. Townships 15 and 16 in ranges 21 and 22, west of the fourth meridian. Secretary-treasurer, A. C. Galbraith, Brunetta, Alberta. Rate of assessment 1910, \$2 00 per quarter section.

9-R-4—Organized 1909. —Townships 17 and 18, in ranges 21 and 22, west of the fourth meridian. Secretary-treasurer, T. A. Bryant, Queenstown, Alberta. Rate of assessment 1910, \$2 00 per quarter section.

18-R-4—Organized 1907 —Part west of river of township 35, range 21, all townships 35, range 22; part west of river of township 36, range 22, west of the fourth meridian. Secretary-treasurer, Hugh Ramsey, Trenville, Alberta. Rate of assessment 1910, \$6 00 per quarter section.

19-R-4—Organized 1909.—Sections 1 to 24 inclusive in township 37, range 21; portion east of the river of sections 1, 12, 13, 23 and 24 of township 37, range 22, sections 25 to 35 inclusive in township 37, range 22; sections 25, 35, 36 and portion east of river of sections 26, 27 and 34 in township 37, range 22, west of the fourth meridian, sections 1 to 12 inclusive in township 38, range 21, sections 1 and 2 and portion east of river of sections 3 and 10 and sections 11 and 12 in township 38, range 22, sections 13 to 36 inclusive in township 38, range 21, sections 13, 14 and portion east of river of sections 15, 21, 22 and sections 23, 24, 25 and 26, portion east of river of sections 27, 28, 33, 34, sections 35 and 36 in township 38, range 22, west of the fourth meridian. Secretary-treasurer, K. J. Lincoln, Erskine, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

20-R-4—Organized 1905.—Townships 39 and 40 in ranges 21 and 22, west of the fourth meridian. Secretary-treasurer, S. W. Smith, Content, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

21-R-4—Organized 1904 —Townships 41 and 42 in ranges 21 and 22, west of the fourth meridian. Secretary-treasurer, N. A. Donaldson, Manfred, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

22-R-4—Organized 1904 —Townships 43 and 44 in ranges 21 and 22, and part not in Indian Reserve of township 44 in range 23, west of the fourth meridian. Secretary-treasurer, Jens A. Johnson, Highland Park, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

23-R-4—Organized 1904 —Parts south and west of river of township 45 in range 19, and parts south of river of townships 45 and 46 in range 20, all township 45, range 21, south of river of townships 46 in ranges 21 and 22, parts south and east of river of township 45 in ranges 22 and 23, west of the fourth meridian. Secretary-treasurer, A. E. Trussler, Highland Park, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

24-R-4—Organized 1904 —Townships 47 and 48 in ranges 21 and 22, part east of lake of townships 47 and 48 in range 23, all except river lots 21, 22, 23, 24, and sections 13, 24, 25 and 36 in township 46, range 21; all township 46, range 22, north of the river, west of the fourth meridian. Secretary-treasurer, E. C. Roper, Bittern Lake, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

25-R-4—Organized 1906—Townships 49 and 50 in ranges 21 and 22, west of the fourth meridian. Secretary-treasurer, Jonas Smith, New Sarepta, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

26-R-4—Organized 1906—Township 51 in ranges 21 and 22, sections 1 to 30 in township 52, range 22, and sections 1 to 30 in township 52, range 21, west of the fourth meridian. Secretary-treasurer, M. H. Kephart, Cooking Lake, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

27-R-4—Organized 1904—Sections 31 to 36 in township 52, range 21, townships 53 and 54 in range 21, sections 31 to 36 in township 52, range 22, all township 53 in range 22, east of river of township 54 in range 22, south and east of river of township 53, range 23, south and east of river of township 54, range 23, south of river of township 53, range 24, west of the fourth meridian. Secretary-treasurer, T. H. Attewell, Agricola, Alberta. Rate of assessment 1910, \$7.40 per quarter section.

28-R-4—Organized 1904.—Parts north and west of river of township 56 in range 21, all township 56, range 22, west of river of township 55, range 22, and all of townships 55 and 56 in range 23, west of the fourth meridian. Secretary-treasurer, C. S. Godbout, Lamoureux, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

29-R-4—Organized 1907.—Townships 57 and 58 in ranges 22 and 23, and townships 57 and 58 in range 21, west of the fourth meridian. Secretary-treasurer, Wm. Mason, Bon Accord, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

6-S-4—Organized 1906.—Parts north of the river of township 10 in range 24, and townships 9 and 10 in range 25, all townships 11 and 12 in ranges 24 and 25, west of the fourth meridian. Secretary-treasurer, F. Matheson, Granum, Alberta. Rate of assessment 1910, \$5 00 per quarter section.

7-S-4—Organized 1906.—Townships 13 and 14, ranges 24 and 25, west of the fourth meridian. Secretary-treasurer, Carl Taylor, Stavely, Alberta. Rate of assessment 1910, \$3 00 per quarter section.

8-S-4—Organized 1906—Townships 15 and 16, ranges 23 and 24, west of the fourth meridian. Secretary-treasurer, Ed. N. Zinn, Cleverville, Alberta. Rate of assessment 1910, \$6 00 per quarter section.

9-S-4—Organized 1908.—Townships 17, 18 and 19 in ranges 23 and 24, west of the fourth meridian. Secretary-treasurer, W. H. Olliffe, Arrowwood, Alberta. Rate of assessment 1910, \$4 00 per quarter section.

15-S-4—Organized 1906—Townships 29 and 30 in ranges 23 and 24, west of the fourth meridian. Secretary-treasurer, J. Baird, Carbon, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

16-S-4—Organized 1906—Townships 31 and 32 in ranges 22, 23 and 24, west of the fourth meridian. Secretary-treasurer, Henry Evans, Three Hills, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

17-S-4—Organized 1907.—Parts west of the river of townships 33 and 34 in range 21, and all townships 33 and 34 in ranges 22, 23 and 24, west of the fourth meridian. Secretary-treasurer, L. E. Roach, Huxley, Alberta. Rate of assessment 1910, \$6 40 per quarter section.

18-S-4—Organized 1906—Townships 35 and 36 in ranges 23 and 24 west of the fourth meridian. Secretary-treasurer, C. Mudge, Lake View, Alberta. Rate of assessment 1910, \$4 80 per quarter section.

19-S-4—Organized 1905—Township 37 in ranges 23 and 24, part south and east of the river of township 38 in range 23, part south of the river of township 38 in ranges 24 and 25 and south of the river of township 37 in range 25, parts south and west of the river of townships 37, 38 and 39 in range 22, west of the fourth meridian. Secretary-treasurer, Andrew J. Creighton, Culham, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

20-S-4—Organized 1904—Parts north of the river of township 38 in ranges 23 and 24 and all townships 39 and 40 in ranges 23 and 24, west of the fourth meridian. Secretary-treasurer, P. Russell, Gaetz Valley, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

21-S-4—Organized 1904—Townships 41 and 42 in ranges 23 and 24, west of the fourth meridian. Secretary-treasurer, W. W. Batson, Earlville, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

22-S-4—Organized 1904—Parts not in Indian Reserve of township 43 in ranges 23, 24 and 25 and township 44 in range 25; all townships 43 and 44 in range 26, west of the fourth meridian. Secretary-treasurer, T. W. Hutchinson, Ponoka, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

23-S-4—Organized 1904—Parts west of the river of townships 45 and 46 in ranges 22 and 23, all townships 46 in ranges 24 and 25 and the east half of township 45 in range 24, west of the fourth meridian. Secretary-treasurer, F. G. Rodell, Weta kiwin, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

24-S-4—Organized 1904.—Parts west of the lake of townships 47 and 48 in range 23 and all townships 47 and 48 in ranges 24 and 25, west of the fourth meridian. Secretary-treasurer, R. Sheppard, Millet, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

25-S-4—Organized 1904.—Townships 49 and 50 in ranges 23, 24 and 25 west of the fourth meridian. Secretary-treasurer, Wm. Heatley, Leduc, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

26-S-4—Organized 1904.—Townships 51 and 52 in range 23, township 51 in range 24; parts south and east of the river of township 51, range 25, and township 52, range 24, and all township 52 in range 25, west of the fourth meridian. Secretary-treasurer, Edw. Gee, Strathcona, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

27-S-4—Organized 1904.—Parts north and west of the river of township 53, range 23, and parts north and west of the river of townships 52 and 54 in range 25; parts south and east of the river of townships 53 and 54 in range 25, all township 54 in range 23 and all townships 53 and 54 in range 24, west of the fourth meridian. Secretary-treasurer, M. Hogan, St. Albert, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

28-S-4—Organized 1904.—Townships 55 and 56 in ranges 24 and 25, west of the fourth meridian. Secretary-treasurer, G. Morris, Excelsior, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

29-S-4—Organized 1904.—Townships 57 and 58 in ranges 24 and 25 and township 59 in range 24, west of the fourth meridian. Secretary-treasurer, J. B. Cote, Legal, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

4-T-4—Organized 1906.—Parts west of the river of township 7 in ranges 24 and 25 and township 8 in range 24 and 25, all of townships 7 and 8 in range 26, west of the fourth meridian. Secretary-treasurer, W. A. Day, Macleod, Alberta. Rate of assessment 1910, \$4 00 per quarter section.

5-T-4—Organized 1906.—Parts north of the river of township 9 in ranges 26 and 27; all township 10 in ranges 26 and 27, west of the fourth meridian. Secretary-treasurer, H. Mackintosh, Macleod, Alberta. Rate of assessment 1910, \$4.00 per quarter section.

6-T-4—Organized 1906.—Townships 11 and 12 in ranges 26 and 27, west of the fourth meridian. Secretary-treasurer, A. H. Tovell, Claresholm, Alberta. Rate of assessment, \$3.20 per quarter section.

7-T-4—Organized 1906.—Townships 13 and 14 in ranges 26 and 27, west of the fourth meridian. Secretary-treasurer, J. B. Robertson, Stavely, Alberta. Rate of assessment 1910, \$5.00 per quarter section.

8-T-4—Organized 1906.—Townships 15 and 16 in ranges 25 and 26, west of the fourth meridian. Secretary-treasurer, D. E. McLean, Nanton, Alberta. Rate of assessment 1910, \$4 00 per quarter section.

9-T-4—Organized 1906.—Townships 17 and 18 in ranges 25 and 26, west of the fourth meridian. Secretary-treasurer, A. C. McIntyre, Brant, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

10-T-4—Organized 1906.—Townships 19 and 20 in range 25 and south of the river of township 21 in ranges 25 and 26 and township 22, range 25, and all townships 19 and 20 in range 26, west of the fourth meridian. Secretary-treasurer, F. E. Rhoades, Dinton, Alberta. Rate of assessment 1910, \$5 60 per quarter section.

12-T-4—Organized 1910.—Portion west of reserve and north of river of township 22 in range 24, portions north of river of townships 21 and 22 in range 25, township 23, range 25, portion not included in Indian Reserve of township 23 in range 24, and townships 24 in ranges 24 and 25, west of the fourth meridian. Secretary-treasurer, H. A. Michaels, Strathmore, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

15-T-4—Organized 1905.—Townships 29 and 30 in ranges 25 and 26, west of the fourth meridian. Secretary-treasurer, R. C. Johnstone, Sunnyslope, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

16-T-4—Organized 1904.—Townships 31 and 32 in ranges 25 and 26, west of the fourth meridian. Secretary-treasurer, Jno. McAlpine, Sunny Slope, Alberta. Rate of assessment, 1910, \$8.00 per quarter section.

17-T-4—Organized 1904.—Townships 33 and 34 in ranges 25 and 26, west of the fourth meridian. Secretary-treasurer, J. H. McArthur, Knee Hill Valley, Alberta. Rate of assessment, 1910, \$5.60 per quarter section.

18-T-4—Organized 1904.—Townships 35 and 36 in ranges 25 and 26, west of the fourth meridian. Secretary-treasurer, F. J. Powell, Edwell, Alberta. Rate of assessment 1910, \$5.00 per quarter section.

19-T-4—Organized 1904.—All townships 37 in ranges 26 and 27, parts south of the river of townships 38 and 39 in range 26; parts east of the river of townships 37 and 38 in range 28, parts south and east of the river of townships 38 and 39 in range 27, west of the fourth meridian. Secretary-treasurer, W. P. Code, Red Deer, Alberta. Rate of assessment 1910, \$6.40 per quarter section.

20-T-4—Organized 1904.—Parts north of the river of township 38 in ranges 25 and 26, all townships 39 and 40 in range 25; north of the river of township 39 in range 26 and all township 40 in range 26, west of the fourth meridian. Secretary-treasurer, E. Wal Simpson, Lacombe, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

21-T-4—Organized 1904.—Townships 41 and 42 in ranges 25 and 26, west of the fourth meridian. Secretary-treasurer, J. H. Webster, Morningside, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

23-T-4—Organized 1904.—Townships 45 and 46 in ranges 26, 27 and 28 west of the fourth meridian. Secretary-treasurer, L. P. Larson, Wetaskiwin, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

24-T-4—Organized 1904.—Townships 47 and 48 in ranges 26, 27 and 28, west of the fourth meridian. Secretary-treasurer, S. L. Price, Conjuring Creek, Alberta. Rate of assessment, 1910, \$8.00 per quarter section.

25-T-4—Organized 1904.—Township 49 in ranges 26, 27 and 28, parts south of the river of township 50 in ranges 26, 27 and 28, west of the fourth meridian. Secretary-treasurer, Olaf C. Melin, Calmar, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

26-T-4—Organized 1904.—Parts north of the river of township 50 in ranges 26, 27 and 28; parts west of the river of township 51 in range 25; all townships 51 and 52 in range 26, fractional townships 51 and 52 in ranges 27 and 28, west of the fourth meridian. Secretary-treasurer, E. Pinchbeck, Winterburn, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

27-T-4—Organized 1904.—Townships 53 and 54 in range 26; parts not in Indian Reserve of townships 53 and 54 in range 27, west of the fourth meridian. Secretary-treasurer, Edm. Pinchbeck, Winterburn, Alberta. Rate of assessment 1910, \$7.00 per quarter section.

28-T-4—Organized 1904.—Townships 55 and 56 in range 26; parts not in Indian Reserve of townships 55 and 56 in range 27, west of the fourth meridian. Secretary-treasurer, P. E. Constantin, Riviere Qui Barre, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

29-T-4—Organized 1905.—Townships 57 and 58 in ranges 26 and 27, west of the fourth meridian. Secretary-treasurer, Jno. E. Williams, Independence, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

30-T-4—Organized 1906.—Townships 59 and 60 in ranges 25, 26 and 27, west of the fourth meridian. Secretary-treasurer, W. M. Garrison, Edison, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

8-W-4—Organized 1904.—Townships 15 and 16, ranges 27, 28, 29 and 30, west of the fourth meridian. Secretary-treasurer, Jas. T. Cooper, Nanton, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

9-W-4—Organized 1904.—Townships 17 and 18 in ranges 27, 28, 29 and 30, west of the fourth meridian. Secretary-treasurer, Wm. Caspell, Cayley, Alberta. Rate of assessment 1910, \$6 00 per quarter section.

10-W-4—Organized 1904.—Townships 19 and 20 in range 27; part south of the Bow River of township 21 in range 27, parts south and east of High River of townships 19, 20 and 21, in range 28, west of the fourth meridian. Secretary-treasurer, H. Hill Wilson, Gladys, Alberta. Rate of assessment 1910, \$4.80 per quarter section.

12-W-4—Organized 1905.—Parts north of the river of township 21 in ranges 26 and 27, all townships 22 and 23 in ranges 26 and 27, south half of township 24 in ranges 26 and 27, west of the fourth meridian. Secretary-treasurer, Wm. Kirton, Cheadle, Alberta. Rate of assessment 1910, \$6 00 per quarter section.

13-W-4—Organized 1906.—Parts north half of township 24 in ranges 28 and 29, all townships 25 and 26 in ranges 28 and 29, west of the fourth meridian. Secretary-treasurer, Jno. Redmond, Rocky View, Alberta. Rate of assessment 1910, \$4.00 per quarter section.

14-W-4—Organized 1906.—Townships 27 and 28 in ranges 27, 28 and 29 west of the fourth meridian. Secretary-treasurer, Thos. H. E. Magee, Crossfield, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

15-W-4—Organized 1904.—Townships 29 and 30 in ranges 27, 28 and 29, west of the fourth meridian. Secretary-treasurer, Fred R. Robinson, Carstairs, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

16-W-4—Organized 1904.—Townships 31 and 32 in ranges 27, 28 and 29, west of the fourth meridian. Secretary-treasurer, Malcolm McLean, Neapolis, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

17-W-4—Organized 1904.—Townships 33 and 34 in ranges 27, 28 and 29, west of the fourth meridian. Secretary-treasurer, B. O. Sannes, Bowden, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

18-W-4—Organized 1904.—Townships 35 and 36 in range 27; parts east of the Red Deer River of townships 35 and 36 in range 28, west of the fourth meridian; townships 35 and 36, range 1, and parts south of the river of townships 35 and 36

in range 2, west of the fifth meridian. Secretary-treasurer, Ed. J. Fream, Innisfail, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

20-W-4—Organized 1904—Part west of the river township 39 in range 27, parts north and west of the river of township 39 in range 28; all township 40 in ranges 27 and 28, west of the fourth meridian. Secretary-treasurer, Jas. McNicol, Blackfalds, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

21-W-4—Organized 1904—Townships 41 and 42 in ranges 27 and 28, west of the fourth meridian. Secretary-treasurer, James Kinley, Iowalta, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

22-W-4—Organized 1905—Townships 43 and 44 in ranges 27 and 28, west of the fourth meridian. Secretary-treasurer, Jas. D. Stewart, Ferrybank, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

2-Z-4—Organized 1904—Townships 3 and 4 in ranges 29 and 30 and township 4 in range 28, west of the fourth meridian. Secretary-treasurer, J. E. Hillier, Twin Butte, Alberta. Rate of assessment 1911, \$6.00 per quarter section.

3-Z-4—Organized 1904—Townships 5 and 6 in ranges 28, 29 and 30, west of the fourth meridian. Secretary-treasurer, J. W. Harwood, Pincher Creek, Alberta. Rate of assessment 1910, \$5.00 per quarter section.

4-Z-4—Organized 1906—Townships 7 and 8 in ranges 29 and 30, west of the fourth meridian, and sections 7 and 18 in township 7, range 28, west of the fourth meridian. Secretary-treasurer, L. J. Boag, Pincher Station, Alberta. Rate of assessment 1910, \$5.00 per quarter section.

10-Z-4—Organized 1905—Township 20 in ranges 1, 2 and 3, west of the fifth meridian, parts west of the river of township 20 in ranges 28 and 29, parts south and west of the river of township 21 in range 28; parts south of the river of township 22 in range 28 and township 21, range 29, west of the fourth meridian. Secretary-treasurer, E. A. Hayes, Okotoks, Alberta. Rate of assessment 1910, \$4.80 per quarter section.

12-Z-4—Organized 1905.—Part north of the river of townships 21 and 22, range 28, all township 23, range 28, north and east of the river of 21, range 29, east of the river of townships 22 and 23 range 29, west of the fourth meridian, east of the river of townships 22 and 23, range 1, west of the fifth meridian, south half of township 24 in ranges 28 and 29, west of the fourth meridian, and south and east of the river of township 24, range 1, west of the fifth meridian. Secretary-treasurer, William Hinde, Bow Hill, Calgary, Alberta. Rate of assessment 1910, \$4.80 per quarter section.

3-A-5—Organized 1904—Townships 5 and 6 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, E. P. Holmes, Mountain Mill, Alberta. Rate of assessment 1910, \$5.00 per quarter section.

4-A-5—Organized 1904—Townships 7, 8 and 9 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, R. H. Burn, Gillingham, Alberta. Rate of assessment 1910, \$4.00 per quarter section.

9-A-5—Organized 1905—Parts south of the river of townships 17 and 18 in range 1, all township 17 in ranges 2 and 3 and parts south of the river of township 18 in ranges 2 and 3, west of the fifth meridian. Secretary-treasurer, W. G. Hanson, Pekisko, Alberta. Rate of assessment 1910, \$2.00 per quarter section.

10-A-5—Organized 1905—Parts north of the river of township 18 in ranges 29 and 30, fraction west of the river of township 19 in ranges 28, 29 and 30, north of the river of townships 18 and 19, range 1, and north of the river of township 18 in ranges 2 and 3, west of the fifth meridian, all township 19 in ranges 2 and 3, west of the fifth meridian. Secretary-treasurer, Geo. H. McKee, Tongue Creek, Alberta. Rate of assessment 1910, \$4.40 per quarter section.

11-A-5—Organized 1904—Townships 21 and 22 in ranges 1 and 2, part between the Bow and the Elbow Rivers of township 23 in range 1, west of the fifth meridian, parts west of the river of townships 22 and 23 in range 29, west of the fourth meridian. Secretary-treasurer, E. J. Kieran, Millarville, Alberta. Rate of assessment 1910, \$4.00 per quarter section.

12-A-5—Organized 1904—Parts north and west of the river of township 23 in range 1, south of the river of township 24 in range 1, south and west of the river of townships 24 and 25 in range 2, east half of township 24 in range 4 and all township 24 in range 3 and south and west of the river of township 25 in range 3, west of the fifth meridian. Secretary-treasurer, T. K. Fullerton, Calgary, Alberta. Rate of assessment 1910, \$4.00 per quarter section.

13-A-5—Organized 1905—Parts north and east of the river of townships 25 and 26 in ranges 1 and 2 and township 24 in range 2; north half of township 24 in range 1, west of the fifth meridian. Secretary-treasurer, E. J. Ruley, Calgary, Alberta. Rate of assessment 1910, \$3.20 per quarter section.

14-A-5—Organized 1904—Townships 27 and 28 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, Leslie Farr, Airdrie, Alberta. Rate of assessment 1910, \$4.00 per quarter section.

15-A-5—Organized 1904.—Townships 29 and 30, in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, M. P. Shantz, Carstairs, Alberta. Rate of assessment 1910, \$8.00 per quarter section

16-A-5—Organized 1904—Townships 31 and 32 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, A. M. McNaughton, Didsbury, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

17-A-5—Organized 1904—Townships 33 and 34 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, H. E. Shenfield, Bowden, Alberta. Rate of assessment 1910, \$8.00 per quarter section

18-A-5—Organized 1904—Part west of the river of township 36 in range 28, west of the fourth meridian, parts north of the river of township 36 in range 1 and north of the river of townships 35 and 36 in range 2, all township 35 in range 4 and part north of the river of township 35 in range 3, township 36 in ranges 3 and 4, west of the fifth meridian. Secretary-treasurer, D. Sullivan, Innisfail, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

19-A-5—Organized 1904—Parts west of the Red Deer River of township 38 in ranges 27 and 28 and townships 37 in range 28, all townships 37 and 38 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, E. S. Grimson, Burnt Lake, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

20-A-5—Organized 1904.—Townships 39 and 40 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, J. C. Carritt, Bentley, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

21-A-5—Organized 1904—Townships 41 and 42 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, W. Smith, Lockhart, Alberta. Rate of assessment, 1910, \$8.00 per quarter section

22-A-5—Organized 1905—Townships 43 and 44 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, Curtis J. Eley, Ponoka, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

23-A-5—Organized 1906—Townships 45 and 46 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, A. E. Heacock, Battle Lake, Alberta. Rate of assessment, 1910, \$8.00 per quarter section.

24-A-5—Organized 1910.—Townships 47 and 48 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, R. G. Halliday, Bonnie Glen, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

25-A-5—Organized 1906—Township 49 in ranges 1 and 2, township 50 in range 2, south of the river of township 51 in range 2, and all township 50 in range 1, west of the fifth meridian. Secretary-treasurer, Geo. McFarquhar, Telfordville, Alberta. Rate of assessment 1910, \$8.00 per quarter section

26-A-5—Organized 1904—Part north of the river of township 50 in range 1, townships 51 and 52 in range 1, townships 51 and 52 in range 2 and north of the river of township 50 in range 2, west of the fifth meridian. Secretary-treasurer, Wm. Nicoll, Mewassin, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

27-A-5—Organized 1905—Townships 53 and 54 in range 28, west of the fourth meridian, townships 53 and 54 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, Arthur Priestley, Onoway, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

28-A-5—Organized 1908—Part not included in Indian Reserve of township 55, range 1 and township 56, range 1, all townships 55 and 56 in range 2, west of the fifth meridian. Secretary-treasurer, J. Hamilton, Onoway, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

29-A-5—Organized 1907—Townships 57 and 58 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, A. Soutter, Dunstable, Alberta. Rate of assessment 1910, \$8.00 per quarter section

30-A-5—Organized 1908—Townships 59 and 60 in ranges 1 and 2, west of the fifth meridian. Secretary-treasurer, A. M. Kipp, Eastburg, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

11-B-5—Organized 1904—Townships 21 and 22 in ranges 3 and 4, west of the fifth meridian. Secretary-treasurer, J. W. Ockley, Calgary, Alberta. Rate of assessment 1910, \$3.20 per quarter section

15-B-5—Organized 1905—Townships 29 and 30 in ranges 3 and 4, west of the fifth meridian. Secretary-treasurer, G. B. Hunter, Dog Pound, Alberta. Rate of assessment 1910, \$6.00 per quarter section

16-B-5—Organized 1904—Townships 31 and 32 in ranges 3 and 4, all township 31, range 5, and the part south and east of the Red Deer River of township 32, range 5, west of the fifth meridian. Secretary-treasurer, Walter B. Smith, Didsbury, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

17-B-5—Organized 1905—Townships 33 and 34 in range 3, south and east of river, parts south and east of Red Deer River of townships 34 and 35 in range 3, south and east of Red Deer River of township 34 in range 5 and township 33, range 5, all township 34, range 4, west of the fifth meridian. Secretary-treasurer, Jos. A.

Simmance, Garrington, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

19-B-5—Organized 1904 —Townships 37 and 38 in ranges 3 and 4, west of the fifth meridian. Secretary-treasurer, O. M. Forhan, Evarts, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

20-B-5—Organized 1904. —Townships 39 and 40 in ranges 3 and 4, west of the fifth meridian. Secretary-treasurer, E. N. French, Evarts, Alberta. Rate of assessment 1910, \$7 00 per quarter section.

21-B-5—Organized 1906 —Townships 41 and 42 in ranges 3 and 4, west of the fifth meridian. Secretary-treasurer, L. G. Taylor, Rumbey, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

22-B-5—Organized 1908 —Townships 43 and 44 in ranges 3 and 4, west of the fifth meridian. Secretary-treasurer, M. C. Platt, Rumbey, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

26-B-5—Organized 1906 —Parts north of the Saskatchewan River of township 50 in ranges 3 and 4, and townships 51 and 52 in range 3, all township 51 and 52 in range 4, west of the fifth meridian. Secretary-treasurer, M. L. Hoffman, Mewassin, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

27-B-5—Organized 1904 —Townships 53 and 54 in ranges 3 and 4, west of the fifth meridian. Secretary-treasurer, Frank Pegrum, Wabamun, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

30-B-5—Organized 1910 —Township 59 and 60 in ranges 3 and 4, west of the fifth meridian. Secretary-treasurer, D. B. O'Brien, Paddle River, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

13-C-5—Organized 1905 —Parts north of the river of township 26 in ranges 5 and 6; all township 27 in ranges 5 and 6, west of the fifth meridian. Secretary-treasurer, F. Fletcher, Morley, Alberta. Rate of assessment 1910, \$2 00 per quarter section.

17-C-5—Organized 1908.—Parts north and west of the Red Deer River of townships 32, 33 and 34 in range 5 and part north of the Red Deer River of township 32 in range 6, all townships 33 and 34 in ranges 6 and 7, west of the fifth meridian. Secretary-treasurer, Fred Lobley, Lobley, Alberta. Rate of assessment 1910, \$6.00 per quarter section.

18-C-5—Organized 1908 —Townships 35 and 36 in ranges 5 and 6, west of the fifth meridian. Secretary-treasurer, Thos. Forrest, Caroline, Alberta. Rate of assessment 1910, \$8 00 per quarter section.

19-C-5—Organized 1908.—Townships 37 and 38 in ranges 5 and 6, west of the fifth meridian. Secretary-treasurer, W. H. Comstock, Stauffer, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

20-C-5—Organized 1907.—Townships 39 and 40 in ranges 5 and 6, west of the fifth meridian. Secretary-treasurer, A. Sim, Lesheville, Alberta. Rate of assessment 1910, \$7.00 per quarter section.

25-C-5—Organized 1908.—Parts north of the Saskatchewan River of township 50 in ranges 5 and 6 and part north of the Saskatchewan River of township 49 in range 6, all of township 51 in ranges 5 and 6, west of the fifth meridian. Secretary-treasurer, Martin McDonald, Tomahawk, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

26-C-5—Organized 1907 —Townships 52 and 53 in ranges 5 and 6, west of the fifth meridian. Secretary-treasurer, W. Merryweather, Wabamun, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

29-D-5—Organized 1910—Townships 57 and 58 in ranges 7 and 8, west of the fifth meridian. Secretary-treasurer, A. Kimball, Roydale, Alberta. Rate of assessment 1910, \$8.00 per quarter section.

VILLAGES.

During the year 1910 some sixteen villages were established as compared to nine established during the year 1909.

<i>Name of Village</i>	<i>Date Established.</i>
Acme	July 7, 1910
Barons	Oct 6, 1910
Bow Island	June 14, 1910
Brooks	July 14, 1910
Carmangay	Jan 20, 1910
Diamond City	Aug 15, 1910
Gadsby	May 6, 1910
Lamont	July 5, 1910
Monarch	July 14, 1910
North Edmonton	Jan 20 1910

<i>Name of Village.</i>	<i>Date Established</i>
New Norway	May 6, 1910
Provost	Jan. 20, 1910
Redcliffe	Oct. 29, 1910
Ryley	April 2, 1910
Strome	Feb 3, 1910
West Edmonton	July 6, 1910

The villages in existence at the end of the year 1910 are as follows:

<i>Name of Village.</i>	<i>Date Established.</i>
Airdrie	Sept 10, 1909
Athabasca Landing	May 18, 1905
Alix	June 3, 1907
Acme	July 7, 1910
Bassano	Dec 28, 1909
Blackfalds	June 17, 1904
Blairmore	Sept 3, 1901
Bawlf	Oct. 12, 1906
Bowden	June 17, 1904
Bruderheim	May 29, 1908
Barons	Oct 6, 1910
Bow Island	June 14, 1910
Brooks	July 14, 1910
Cartsairs	May 15, 1903
Cayley	Aug. 5, 1904
Cochrane	June 17, 1903
Cowley	Aug 16, 1906
Crossfield	June 3, 1907
Carmangay	Jan 20, 1910
Diamond City	Aug. 15, 1910
Evarts	June 9, 1906
Entwistle	Mar. 26, 1909
Frank	Sept 3, 1901
Grouard	Sept. 27, 1909
Gadsby	May 6, 1910
Hardisty	Dec 12, 1906
Holden	April 14, 1909
Islay	Mar. 3, 1907
Killam	Dec. 29, 1906
Lavoy	Aug. 22, 1906
Lille	Feb. 22, 1904
Lloydminster	July 6, 1906
Langdon	Aug. 31, 1907
Lamont	July 5, 1910
Mannville	Dec. 29, 1906
Millet	June 17, 1903
Mountain View	May 5, 1902
Morinville	Aug. 24, 1901
Mundare	Mar 6, 1907
Monarch	July 14, 1910
North Edmonton	Jan 20, 1910
New Norway	May 6, 1910
Ohaton	Sept 9, 1906
Penhold	May 4, 1904
Pincher City	Aug. 18, 1909
Provost	Jan 20, 1910
Rosenroll	Nov 21, 1904
Redcliffe	Oct 29, 1910
Ryley	April 2, 1910
Stafford	Oct. 22, 1900
Stavely	Oct. 16, 1903
Stirling	Sept. 3, 1901
Spruce Grove	Mar. 14, 1907
Sedgewick	Mar 6, 1907
Strathmore	Mar 20, 1908
Strome	Feb 3, 1910
Viking	Mar 3, 1909
Warner	Nov 12, 1908
West Edmonton	July 6, 1910

During the year 1910 there was also a large increase in the number of villages that had become large enough to become incorporated as towns; five new towns being incorporated in the year 1910 as compared to two in the year 1909. The following villages were proclaimed towns:

<i>Name of Town</i>	<i>Date Established.</i>
Gleichen	May 6, 1910
Castor	June 27, 1910
Wainwright	July 14, 1910
Coleman	Sept. 10, 1910
Granum	Nov 15, 1910

The Village of Crescent Heights was included within the boundaries of the City of Calgary when the boundaries of that city were extended by the amendment to the charter passed at the meeting of the Legislature in December last

COLLECTION OF ARREARS OF SCHOOL TAXES

During the year 1910 we collected the sum of \$36,104 31 for arrears of school taxes and fees. The arrears of taxes were forwarded to the districts to which they belonged as soon as received. The forfeiture proceedings taken greatly increased the collections in connection with these taxes over what had been collected during the year 1909.

FORFEITED LANDS

List showing lands in respect of which returns of arrears have been confirmed, and which have not been redeemed

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N.W. $\frac{1}{4}$ section 28-9-1w4	Jan 14, 1909	
N.W. $\frac{1}{4}$ section 30-49-1w4	Nov 17, 1908	
N.E. $\frac{1}{4}$ section 22-49-1w4	Nov 17, 1908	
N.W. $\frac{1}{4}$ section 20-49-1w4	Nov 17, 1908	
S.W. $\frac{1}{4}$ section 22-50-1w4	Apr 14, 1910	
N.E. $\frac{1}{4}$ section 14-10-1w4	Apr 5, 1910	
S.E. $\frac{1}{4}$ section 14-49-1w4	Apr 14, 1910	
S.W. $\frac{1}{4}$ 32-51-1w4	Apr 14, 1910	
Lot 14, blk 1, Lloydminster	Nov 17, 1908	
Lot 8, blk. 10, Lloydminster	Nov 17, 1908	
Lot 14, blk 11, Lloydminster	Apr 14, 1910	
Lots 13 and 14, blk 6, Lloydminster	Apr 14, 1910	
Lot 2, blk. 4, Lloydminster	Apr 14, 1910	
Lot 31, blk. 4, Lloydminster	Apr 14, 1910	
Lot 32, blk 4, Lloydminster	Apr 14, 1910	
Lots 19 and 20, blk 11, Lloydminster	Apr 14, 1910	
Lot 2, blk. 8, Lloydminster	Apr 14, 1910	
Lot 10, blk 23, Lloydminster	Apr 14, 1910	
S.W. $\frac{1}{4}$ section 19-9-2w4	Jan 14, 1909	
S.W. $\frac{1}{4}$ section 6-9-2w4	Jan 14, 1909	
N.W. $\frac{1}{4}$ section 30-8-2w4	Jan 14, 1909	
S.W. $\frac{1}{4}$ section 30-8-2w4	Jan 14, 1909	
S.E. $\frac{1}{4}$ section 36-9-2w4	Apr 5, 1910	
N.E. $\frac{1}{4}$ section 30-7-2w4	Apr 5, 1910	
S.W. $\frac{1}{4}$ section 28-7-2w4	Apr 5, 1910	
N.W. $\frac{1}{4}$ section 16-7-2w4	Apr. 5, 1910	
S.W. $\frac{1}{4}$ section 14-9-2w4	Apr 5, 1910	

FORFEITED LANDS —Continued.

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N W $\frac{1}{4}$ section 2-9-2w4	Apr. 5, 1910	.
S W $\frac{1}{4}$ section 2-9-2w4	Apr. 5, 1910	.
N E $\frac{1}{4}$ section 24-9-3w4	Jan 14, 1909	.
N E $\frac{1}{4}$ section 26-8-3w4	Jan 14, 1909	.
N W $\frac{1}{4}$ section 10-11-3w4	Jan 14, 1909	.
S W $\frac{1}{4}$ section 26-10-3w4	Apr 5, 1910	.
S E $\frac{1}{4}$ section 20-7-3w4	Apr. 5, 1910	.
S W $\frac{1}{4}$ section 36-8-3w4	Apr 5, 1910	.
S W $\frac{1}{4}$ section 15-51-3w4	Apr. 14, 1910	.
S W $\frac{1}{4}$ section 30-7-3w4	Apr 5, 1910	.
S of R of S E $\frac{1}{4}$ section 35-22-3w4 (40 acres)	Apr. 5, 1910	.
N $\frac{1}{4}$ section 17-50-3w4	Apr. 14, 1910	.
S W $\frac{1}{4}$ section 16-50-3w4	Apr 14, 1910	.
N E $\frac{1}{4}$ section 12-51-3w4	Apr. 14, 1910	.
N W $\frac{1}{4}$ section 12-51-3w4	Apr. 14, 1910	.
N E $\frac{1}{4}$ section 22-9-4w4	Jan. 14, 1909	.
N E $\frac{1}{4}$ section 20-10-4w4	Jan 14, 1909	.
S E $\frac{1}{4}$ section 20-10-4w4	Jan 14, 1909	.
S W $\frac{1}{4}$ section 28-11-4w4	Jan 14, 1909	.
N W $\frac{1}{4}$ section 22-11-4w4	Jan. 14, 1909	.
S W $\frac{1}{4}$ section 18-13-4w4	Apr 5, 1910	.
N W $\frac{1}{4}$ section 10-51-4w4	Apr. 14, 1910	.
N E $\frac{1}{4}$ section 36-12-4w4	Apr. 5, 1910	.
N W $\frac{1}{4}$ section 18-13-4w4	Apr. 5, 1910	.
S W $\frac{1}{4}$ section 12-11-4w4	Jan 14, 1909	.
Lots 7 and 8, blk 2, Islay	Apr 14, 1910	.
N W $\frac{1}{4}$ section 30-8-5w4	Jan 14, 1909	.
S E $\frac{1}{4}$ section 4-14-5w4 (125 acres)	Apr 5, 1910	.
S W $\frac{1}{4}$ section 4-14-5w4 (159 acres)	Apr 5, 1910	.
N W $\frac{1}{4}$ section 33-15-5w4	Apr. 5, 1910	.
Pt S W $\frac{1}{4}$ section 26-16-5w4 (20 acres)	Apr. 5, 1910	.
N W $\frac{1}{4}$ section 32-51-5w4	Apr 14, 1910	.
S W $\frac{1}{4}$ section 28-8-5w4	Apr. 5, 1910	.
S E $\frac{1}{4}$ section 4-8-5w4	Apr 5, 1910	.
S E $\frac{1}{4}$ section 18-12-5w4	Apr 5, 1910	.
Pt N E $\frac{1}{4}$ section 32-13-5w4 (118 acres)	Apr. 5, 1910	.
N of R of S E $\frac{1}{4}$ section 28-15-5w4 (96 acres)	Apr 5, 1910	.
W of R of N W $\frac{1}{4}$ section 8-15-5w4 (107 acres)	Apr 5, 1910	.
S of R of S E $\frac{1}{4}$ section 8-15-5w4 (112 acres)	Apr 5, 1910	.
S E $\frac{1}{4}$ section 18-51-5w4	Apr 14, 1910	.
S W $\frac{1}{4}$ section 25-50-5w4	Apr 14, 1910	.
S E $\frac{1}{4}$ section 14-51-6w4	Nov 17, 1908	.
E $\frac{1}{4}$ section 21-52-6w4	Nov 17, 1908	.
S W $\frac{1}{4}$ section 26-12-6w4	Jan 14, 1909	.
N E $\frac{1}{4}$ section 2-13-6w4	Jan 14, 1909	.
S W $\frac{1}{4}$ section 24-8-6w4	Apr 5, 1910	.
N E $\frac{1}{4}$ section 14-12-6w4	Apr 5, 1910	.
N W $\frac{1}{4}$ section 4-13-6w4	Apr 5, 1910	.
S E $\frac{1}{4}$ section 15-52-6w4	Apr 14, 1910	.
N E $\frac{1}{4}$ section 2-11-6w4	Apr. 5, 1910	.
N $\frac{1}{4}$ of N E $\frac{1}{4}$ section 32-41-6w4	Apr 14, 1910	.
S $\frac{1}{4}$ of N E $\frac{1}{4}$ section 32-41-6w4	Apr 14, 1910	.
N E $\frac{1}{4}$ section 28-48-6w4	Apr. 14, 1910	.
N E $\frac{1}{4}$ section 26-51-6w4	Apr. 14, 1910	.
Pt N E $\frac{1}{4}$ section 22-51-6w4 (112 acres)	Apr. 14, 1910	.
W of R of N E $\frac{1}{4}$ section 12-51-6w4 (40 acres)	Apr. 14, 1910	.
N W $\frac{1}{4}$ section 27-52-6w4	Apr. 14, 1910	.
N E $\frac{1}{4}$ section 9-52-7w4	Nov 17, 1908	.
S E $\frac{1}{4}$ section 36-50-7w4 (158 acres)	Nov 17, 1908	.
N E $\frac{1}{4}$ section 2-45-7w4 (less R.W.)	Nov. 17, 1908	.

FORFEITED LANDS.—*Continued*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N.E. $\frac{1}{4}$ section 22-13-7w4	Apr. 5, 1910	
S. of R. of N.W. $\frac{1}{4}$ section 12-13-7w4 (67.5 acres)	Apr. 5, 1910	
S.W. $\frac{1}{4}$ section 30-13-7w4	Apr. 5, 1910	
S.E. $\frac{1}{4}$ section 28-13-7w4	Apr. 5, 1910	
N.E. $\frac{1}{4}$ section 6-14-7w4 (150.2 acres)	Apr. 5, 1910	
N.E. $\frac{1}{4}$ section 10-51-7w4	Apr. 14, 1910	
S. $\frac{1}{4}$ of N.E. $\frac{1}{4}$ section 16-56-7w4 (79.6 acres)	Apr. 14, 1910	
Pt. N. $\frac{1}{2}$ of S.E. $\frac{1}{4}$ section 16-56-7w4 (53.9 acres)	Apr. 14, 1910	
Pt. E. $\frac{1}{2}$ of S.W. $\frac{1}{4}$ section 16-56-7w4 (78.8 acres)	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 32-49-8w4	Nov. 17, 1908	
N. of R. of N.W. $\frac{1}{4}$ section 13-2-8w4	Jan. 14, 1909	
N.W. $\frac{1}{4}$ section 4-17-8w4	Jan. 14, 1909	
All section 35-48-8w4	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 28-50-8w4	Apr. 14, 1910	
S.E. $\frac{1}{4}$ section 12-50-8w4	Apr. 14, 1910	
S.W. $\frac{1}{4}$ section 10-50-8w4	Apr. 14, 1910	
S.E. $\frac{1}{4}$ section 2-10-8w4	Apr. 5, 1910	
S. of R. of N.E. $\frac{1}{4}$ section 22-12-8w4 (122.75 acres).	Apr. 5, 1910	
S.W. $\frac{1}{4}$ section 30-22-8w4	Apr. 5, 1910	
N.W. $\frac{1}{4}$ section 14-42-8w4	Apr. 14, 1910	
S.W. $\frac{1}{4}$ section 12-48-8w4	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 28-50-8w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 28-50-8w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 14-49-9w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 2-50-9w4	Nov. 17, 1908	
Lots 16 and 17, blk. 11, Mannville	Apr. 14, 1910	
S.W. $\frac{1}{4}$ section 36-51-11w4	Nov. 17, 1908	
N.W. $\frac{1}{4}$ section 16-54-11w4	Nov. 17, 1908	
S.E. $\frac{1}{4}$ section 30-52-11w4	Apr. 14, 1910	
S.E. $\frac{1}{4}$ section 22-52-11w4 (137.3 acres)	Apr. 14, 1910	
S.W. $\frac{1}{4}$ section 30-53-12w4	Nov. 17, 1908	
S. $\frac{1}{4}$ of N.W. $\frac{1}{4}$ section 34-40-12w4	Nov. 30, 1908	
S.E. $\frac{1}{4}$ section 16-11-12w4 (137.75 acres)	Apr. 6, 1910	
S.E. $\frac{1}{4}$ section 5-48-12w4	Apr. 14, 1910	
S.W. $\frac{1}{4}$ section 12-55-21w4	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 4-55-12w4	Apr. 14, 1910	
Pt. S.W. $\frac{1}{4}$ section 4-55-12w4 (149 acres)	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 12-56-12w4	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 10-2-12w4 (143.6 acres)	Apr. 6, 1910	
S.W. $\frac{1}{4}$ section 21-48-12w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 6-49-12w4	Apr. 14, 1910	
S.E. $\frac{1}{4}$ section 12-55-12w4	Apr. 14, 1910	
S.E. $\frac{1}{4}$ section 2-55-12w4	Apr. 14, 1910	
N. $\frac{1}{4}$ of N.W. $\frac{1}{4}$ section 6-53-13w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 36-48-13w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 34-48-13w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 12-49-13w4	Apr. 14, 1910	
S.W. $\frac{1}{4}$ section 14-53-13w4	Apr. 14, 1910	
Lot 12, blk. 4, Lavoy	Nov. 17, 1908	
E. $\frac{1}{4}$ section 17-53-14w4	Nov. 17, 1908	
N.W. $\frac{1}{4}$ section 12-2-14w4	Jan. 12, 1909	
Pt. N.W. $\frac{1}{4}$ section 16-11-14w4	Jan. 12, 1909	
N.W. $\frac{1}{4}$ section 24-52-14w4	Apr. 14, 1910	
S. $\frac{1}{4}$ section 18-53-14w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ and S. $\frac{1}{2}$ section 12-53-14w4	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 7-53-14w4	Apr. 14, 1910	
S.E. $\frac{1}{4}$ section 7-53-14w4	Apr. 14, 1910	
S.W. $\frac{1}{4}$ section 7-53-14w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 10-57-14w4	Apr. 14, 1910	
S.E. $\frac{1}{4}$ section 14-7-14w4	Apr. 6, 1910	
S.E. $\frac{1}{4}$ section 20-51-14w4	Apr. 14, 1910	
S. $\frac{1}{4}$ section 7-51-14w4	Apr. 14, 1910	

FORFEITED LANDS.—*Continued.*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N.E. $\frac{1}{4}$ section 10-52-14w4	Apr. 14, 1910	
N. $\frac{1}{4}$ and S.E. $\frac{1}{4}$ section 10-52-14w4	Apr. 14, 1910	
S.W. $\frac{1}{4}$ section 32-56-14w4	Apr. 14, 1910	
Pt. S.E. $\frac{1}{4}$ section 30-56-14w4 (131 acres)	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 20-56-14w4	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 16-56-14w4 (155 acres)	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 16-56-14w4	Apr. 14, 1910	
L.S. 13, section 10-56-14w4	Apr. 14, 1910	
Lot 49, Lac La Biche	Apr. 13, 1910	
E. $\frac{1}{4}$ section 32-49-15w4	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 6-49-15w4	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 4-49-15w4 (less R.W.)	Apr. 14, 1910	
W. $\frac{1}{4}$ section 9-53-15w4	Apr. 14, 1910	
S.E. $\frac{1}{4}$ section 22-55-15w4	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 2-57-15w4	Apr. 13, 1910	
Lot 25, Lac La Biche	Apr. 13, 1910	
N.E. $\frac{1}{4}$ section 2-51-15w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 36-52-15w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 20-43-15w4	Nov. 30, 1908	
N.W. $\frac{1}{4}$ section 2-53-16 (less R.W.)	Nov. 17, 1908	
S.W. $\frac{1}{4}$ section 28-45-16w4	Nov. 30, 1908	
S.E. $\frac{1}{4}$ section 2-57-16w4	Apr. 13, 1910	
S.W. $\frac{1}{4}$ section 2-60-16w4	Apr. 13, 1910	
S.W. $\frac{1}{4}$ section 24-49-16w4	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 18-52-16w4	Apr. 14, 1910	
Pt. W. $\frac{1}{4}$ section 19-53-16w4 (310 acres)	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 22-50-16w4	Apr. 14, 1910	
N.E. $\frac{1}{4}$ section 14-51-16w4	Apr. 14, 1910	
S.E. $\frac{1}{4}$ section 14-51-16w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 34-51-16w4	Nov. 17, 1908	
S.W. $\frac{1}{4}$ section 10-52-16w4	Nov. 17, 1908	
Lot 3, blk. 4, Mundare	Nov. 17, 1908	
Lots 17 to 21, blk. 2, Mundare	Apr. 14, 1910	
Lots 9, 10, 11, blk. 3, Mundare	Apr. 14, 1910	
Lots 15 to 18, blk. 3, Mundare	Apr. 14, 1910	
Lots 20, 21, 22, blk. 3, Mundare	Apr. 14, 1910	
Lot 6, blk. 4, Mundare	Apr. 14, 1910	
Lot 11, blk. 4, Mundare	Apr. 14, 1910	
Lot 13, blk. 4, Mundare	Apr. 14, 1910	
Lots 19, 20, 21, blk. 4, Mundare	Apr. 14, 1910	
Lots 1-2, block 5, Mundare	Apr. 14, 1910	
Lots 12 and 13, blk. 5, Mundare	Apr. 14, 1910	
Lot 16, blk. 5, Mundare	Apr. 14, 1910	
Lots 18 and 19, blk. 5, Mundare	Apr. 14, 1910	
Lots 22 and 23, block 5, Mundare	Apr. 14, 1910	
Lots 1 to 4, blk. 11, Mundare	Apr. 14, 1910	
W. of R. N.W. $\frac{1}{4}$ section 24-41-17w4	Nov. 30, 1908	
N.W. $\frac{1}{4}$ section 23-41-17w4	Nov. 30, 1908	
W. $\frac{1}{4}$ section 33-53-17w4	Apr. 13, 1910	
S.W. $\frac{1}{4}$ section 22-26-17w4	Apr. 5, 1910	
N.W. $\frac{1}{4}$ section 15-26-17w4	Apr. 5, 1910	
S.E. $\frac{1}{4}$ section 16-11-17w4	Apr. 6, 1910	
N.W. $\frac{1}{4}$ section 5-11-17w4	Apr. 6, 1910	
E. $\frac{1}{4}$ section 3-11-17w4	Apr. 6, 1910	
N.W. $\frac{1}{4}$ section 26-59-17w4	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 21-59-17w4	Apr. 13, 1910	
N.E. $\frac{1}{4}$ section 14-59-17w4	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 12-59-17w4	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 1-54-17w4	Apr. 14, 1910	
S.E. $\frac{1}{4}$ section 10-54-17w4	Apr. 14, 1910	
N.W. $\frac{1}{4}$ section 6-55-18w4	Nov. 23, 1908	

FORFEITED LANDS.—*Continued*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N.E. $\frac{1}{4}$ section 6-57-18w4 (156 acres)	Apr 13, 1910	Dec 18, 1907
N.W. $\frac{1}{4}$ section 34-52-18w4	Jan. 14, 1905	
W of R of S.E. $\frac{1}{4}$ section 26-18-18w4 (114 acres)	Apr. 6, 1910	
S.W. $\frac{1}{4}$ section 34-56-18w4	Apr 13, 1910	
N.E. $\frac{1}{4}$ section 32-56-18w4	Apr. 13, 1910	
S.W. $\frac{1}{4}$ section 4-57-18w4	Apr. 13, 1910	
S.W. $\frac{1}{4}$ section 6-58-18w4.	Apr. 13, 1910	
S.W. $\frac{1}{4}$ and W $\frac{1}{2}$ of N.E. $\frac{1}{4}$ section 4-50-18w4	Nov 23, 1908	
S.E. $\frac{1}{4}$ section 24-55-19w4	Nov 23, 1908	
N.W. $\frac{1}{4}$ section 28-56-19w4	Nov 23, 1908	
S.E. $\frac{1}{4}$ section 12-48-19w4	Nov 30, 1908	
S.W. $\frac{1}{4}$ section 14-36-19w4	Nov 30, 1908	
N.E. $\frac{1}{4}$ section 28-50-19w4	Apr 13, 1910	
S.W. $\frac{1}{4}$ section 32-55-19w4	Apr 13, 1910	
N.E. $\frac{1}{4}$ section 28-47-19w4	Nov 30, 1908	
N.W. $\frac{1}{4}$ section 28-47-19w4	Nov 30, 1908	
S.W. $\frac{1}{4}$ section 30-47-19w4	Nov. 30, 1908	
Lot 2, blk 14, Stirling	Apr 6, 1910	
N.W. $\frac{1}{4}$ section 20-47-20w4	Nov. 30, 1908	
N.E. $\frac{1}{4}$ section 18-37-20w4	Nov 30, 1908	
S. $\frac{1}{2}$ of S.E. $\frac{1}{4}$ section 22-6-20w4	Apr 6, 1910	
Pt S.W. $\frac{1}{4}$ section 21-6-20w4 (10 acres)	Apr 6, 1910	
S. $\frac{1}{2}$ of S.W. $\frac{1}{4}$ section 2-6-20w4	Apr 6, 1910	
Lot 52 in sections 19 and 20-6-20w4	Apr. 6, 1910	
Lot 53 in sections 19 and 20-6-20w4	Apr. 6, 1910	
Lot 59 in sections 19 and 20-6-20w4	Apr 6, 1910	
Lot 60 in sections 19 and 20-6-20w4	Apr 6, 1910	
S.W. $\frac{1}{4}$ section 4-55-20w4 (155 acres)	Apr 13, 1910	
N.W. $\frac{1}{4}$ section 6-55-20w4	Nov 23, 1908	
Lot 16, blk. 4, Bruderheim	Apr 13, 1910	
Lots 7, 8 and 9, blk 2, Bruderheim	Apr 13, 1910	
Lot 5, blk. 1, Bruderheim	Apr 13, 1910	
S.E. $\frac{1}{4}$ section 34-55-21w4	Nov 23, 1908	
S.W. $\frac{1}{4}$ section 17-55-21w4	Nov 23, 1908	
Lot 75 in sections 2, 11 and 14-6-21w4	Apr 6, 1910	
Lot 76 in sections 2, 11 and 14-6-21w4	Apr 6, 1910	
Lot 12 in sections 1, 12 and 13-6-21w4	Apr 6, 1910	
Lot 19 in sections 1, 12 and 13-6-21w4	Apr 6, 1910	
Lot 63 in sections 1, 12 and 13-6-21w4	Apr. 6, 1910	
W $\frac{1}{2}$ of N.E. $\frac{1}{4}$ section 36-6-21w4	Apr 6, 1910	
N $\frac{1}{2}$ of S.W. $\frac{1}{4}$ 23-6-21w4	Apr 6, 1910	
Lot 1, north side Deane Ave, Lethbridge	Apr. 6, 1910	
Lot 4, north side of Deane Ave, Lethbridge	Apr 6, 1910	
Lot 5, north side Deane Ave, Lethbridge	Apr. 6, 1910	
Lot 6, north side Deane Ave, Lethbridge	Apr. 6, 1910	
Lot 7, north side Deane Ave, Lethbridge	Apr. 6, 1910	
Lots 228 and 229 in section 29-8-21w4	Apr 6, 1910	
S.E. $\frac{1}{4}$ section 22-55-21w4	Apr 13, 1910	
S.E. $\frac{1}{4}$ section 7-53-21w4	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 28-56-21w4	Apr 13, 1910	
S.W. $\frac{1}{4}$ section 17-7-21w4	Apr 6, 1910	
N.E. $\frac{1}{4}$ section 32-12-21w4	Apr 6, 1910	
N.E. $\frac{1}{4}$ section 35-51-21w4 (40 acres)	Apr 13, 1910	
S.E. $\frac{1}{4}$ section 35-51-21w4 (74 acres)	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 30-51-21w4	Apr 13, 1910	
S.E. $\frac{1}{4}$ section 34-53-21w4	Apr. 13, 1910	Dec 18, 1907
S.E. $\frac{1}{4}$ section 32-53-21w4	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 4-54-21w4	Apr. 13, 1910	
S.W. $\frac{1}{4}$ section 2-54-21w4	Apr. 13, 1910	
N.E. $\frac{1}{4}$ section 36-55-21w4	Jan. 14, 1905	
S.W. $\frac{1}{4}$ section 18-53-21w4	Apr 13, 1910	
R.L 18-55-22w4	Nov 23, 1908	

1 1 1 1
FORFEITED LANDS—Continued.

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N.W. $\frac{1}{4}$ section 24-55-22w4	Nov. 23, 1908	..
N.W. $\frac{1}{4}$ section 18-44-22w4	Nov. 30, 1908	..
N.E. $\frac{1}{4}$ section 18-40-22w4	Nov. 30, 1908	.
N.W. $\frac{1}{4}$ section 18-40-22w4	Nov. 30, 1908	.
S.E. $\frac{1}{4}$ 18-40-22w4	Nov. 30, 1908	.
N.W. $\frac{1}{4}$ section 28-22-22w4	Dec. 15, 1908	.
N.W. $\frac{1}{4}$ section 22-22-22w4	Dec. 15, 1908	.
N.W. $\frac{1}{4}$ section 34-8-22w4	Jan. 12, 1909	.
Lot 9, blk. 1, Lamerton, pt. N.W. $\frac{1}{4}$ section 34-40-22w4	Nov. 30, 1908	.
Lot 18, blk. 1, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 19, blk. 1, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 21, blk. 1, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 22, blk. 1, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 23, blk. 1, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 24, blk. 1, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 25, blk. 1, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 26, blk. 1, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 43, blk. 1, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 5, blk. 2, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 6, blk. 2, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 22, blk. 2, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 23, blk. 2, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 24, blk. 2, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 25, blk. 2, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 28, blk. 2, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
Lot 29, blk. 2, Lamerton, pt. N.W. $\frac{1}{4}$ sec. 34-40-22w4	Nov. 30, 1908	.
N. of R. of S.E. $\frac{1}{4}$ section 30-8-22w4	Jan. 12, 1909	.
S. $\frac{1}{4}$ of S.E. $\frac{1}{4}$ section 29-5-22w4	Apr. 6, 1910	.
S.W. $\frac{1}{4}$ section 11-5-22w4	Apr. 6, 1910	.
Pt. L.S. 8, section 2-9-22w4 (1 acre)	Apr. 6, 1910	.
N.W. $\frac{1}{4}$ section 20-14-22w4	Apr. 6, 1910	.
S. of Creek, N.E. $\frac{1}{4}$ section 10-29-22w4 (154 94 acres)	Apr. 8, 1910	.
S.E. $\frac{1}{4}$ section 2-55-22w4	Apr. 13, 1910	.
Pt. S.E. $\frac{1}{4}$ section 6-51-22w4 (123 acres)	Apr. 13, 1910	.
N.W. $\frac{1}{4}$ section 36-30-22w4	Apr. 8, 1910	.
N.E. $\frac{1}{4}$ section 4-30-22w4	Apr. 8, 1910	.
S.W. $\frac{1}{4}$ section 34-50-22w4	Apr. 13, 1910	.
N.W. $\frac{1}{4}$ section 28-50-22w4	Apr. 13, 1910	.
S.W. $\frac{1}{4}$ section 31-51-22w4	Apr. 13, 1910	.
N.W. $\frac{1}{4}$ section 28-51-22w4	Apr. 13, 1910	.
S.E. $\frac{1}{4}$ section 28-51-22w4	Apr. 13, 1910	.
S.W. $\frac{1}{4}$ section 28-51-22w4	Apr. 13, 1910	.
N.W. $\frac{1}{4}$ section 22-53-22w4	Nov. 23, 1908	.
S.W. $\frac{1}{4}$ section 6-51-23w4	Nov. 23, 1908	.
N.W. $\frac{1}{4}$ section 4-46-23w4	Nov. 30, 1908	.
S.E. $\frac{1}{4}$ section 18-54-23w4	Nov. 23, 1908	.
S.W. $\frac{1}{4}$ section 18-54-23w4	Nov. 23, 1908	.
S.W. $\frac{1}{4}$ section 34-38-23w4	Nov. 23, 1908	.
N.W. $\frac{1}{4}$ section 16-38-23w4	Nov. 23, 1908	.
Lot 4, blk. 1, Alix, pt. N.W. $\frac{1}{4}$ section 36-39-23w4	Nov. 30, 1908	.
Lot 16, blk. 1, Alix, pt. N.W. $\frac{1}{4}$ section 36-39-23w4	Nov. 30, 1908	.
Lot 21, blk. 1, Alix, pt. N.W. $\frac{1}{4}$ section 36-39-23w4	Nov. 30, 1908	.
Lot 16, blk. 3, Alix, pt. N.W. $\frac{1}{4}$ section 36-39-23w4	Nov. 30, 1908	.
Lot 17, blk. 3, Alix, pt. N.W. $\frac{1}{4}$ section 36-39-23w4	Nov. 30, 1908	.
Lot 20, blk. 4, Alix, pt. N.W. $\frac{1}{4}$ section 36-39-23w4	Nov. 30, 1908	.
N.E. $\frac{1}{4}$ section 30-9-23w4	Dec. 18, 1908	.
E. $\frac{1}{4}$ of S.E. $\frac{1}{4}$ section 30-9-23w4	Dec. 18, 1908	.
S.W. $\frac{1}{4}$ section 19-1-23w4	Jan. 12, 1909	.
All of section 23-11-23w4	Apr. 7, 1910	.
All of section 14-11-23w4	Apr. 7, 1910	.
All of section 12-11-23w4	Apr. 7, 1910	.
All of section 11-11-23w4	Apr. 7, 1910	.

FORFEITED LANDS —Continued

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
All of section 2-11-23w4	Apr. 7, 1910	
All of section 1-11-23w4	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 36-29-23w4	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 36-29-23w4	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 22-29-23w4	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 14-30-23w4	Apr. 8, 1910	
Lots 39-40, blk. 4, Carbon, 4387-P, sec. 15-29-23w4	Apr. 8, 1910	
Lots 1-2-3, blk. 6, Carbon, 4387-P, sec. 15-29-23w4	Apr. 8, 1910	
Lots 37-38, blk. 4, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 21-22, blk. 5, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 33-34, blk. 6, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lot 18, blk. 19, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 19-20, blk. 19, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 24-25, blk. 4, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lot 33, blk. 18, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 17-18, blk. 3, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 6-7, blk. 3, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 3-4, block 19, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 33-34-35, blk. 23, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 11-12, blk. 24, Carbon, 4387-P, sec. 15-29-23w4	Apr. 8, 1910	
Lots 34 to 38 inclusive, blk. 3, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 13 to 16 inc., blk. 4, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lot 4, blk. 23, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 17, 18, 19, blk. 23, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lot 25, blk. 23, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 15 to 18 inc., blk. 24, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 1, 2 and 5 to 15 inc., blk. 27, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 1 to 8 inc., blk. 28, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
Lots 1 to 10 inc., blk. 29, Carbon, 4387-P, pt. sec. 15-29-23w4	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 12-53-23w4 (157.87 acres)	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 3-53-23w4	Apr. 13, 1910	
N.E. $\frac{1}{4}$ section 16-51-23w4	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 4-51-23w4	Apr. 13, 1910	
S. of R., N.W. $\frac{1}{4}$ section 34-53-23w4	Apr. 13, 1910	
W. of R., S.E. $\frac{1}{4}$ section 34-53-23w4	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 34-9-23w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 34-9-23w4 (148 acres)	Apr. 7, 1910	
S.W. $\frac{1}{4}$ section 34-9-23w4 (145 acres)	Apr. 7, 1910	
S. $\frac{1}{4}$ of N.E. $\frac{1}{4}$ section 4-10-23w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 4-10-23w4	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 36-51-23w4	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 36-51-23w4	Apr. 13, 1910	
S.W. $\frac{1}{4}$ section 12-54-23w4	Apr. 13, 1910	
S.W. $\frac{1}{4}$ section 36-52-23w4	Nov. 23, 1908	
N.E. $\frac{1}{4}$ section 26-56-23w4	Nov. 23, 1908	
N.E. $\frac{1}{4}$ section 34-50-23w4	Nov. 23, 1908	
S.E. $\frac{1}{4}$ section 16-38-23w4	Nov. 30, 1908	
N.E. $\frac{1}{4}$ section 4-51-23w4	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 20-51-23w4	Apr. 13, 1910	
N.E. $\frac{1}{4}$ section 24-56-23w4	Apr. 13, 1910	
Lots 9, 10, 11, blk. 1, Gleichen	Dec. 15, 1908	
Lots 17 and 18, blk. 1, Gleichen	Apr. 8, 1910	
Lots 5, 6 and 7, blk. "B", Gleichen	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 32-53-24w4	Nov. 23, 1908	
N.W. $\frac{1}{4}$ section 28-37-24w4	Nov. 30, 1908	
N.W. $\frac{1}{4}$ section 15-39-24w4	Nov. 30, 1908	
S. $\frac{1}{4}$ of S.W. $\frac{1}{4}$ section 12-18-24w4	Dec. 15, 1908	
S.W. $\frac{1}{4}$ section 8-16-24w4	Dec. 18, 1908	
N.W. $\frac{1}{4}$ section 6-1-24w4	Jan. 12, 1909	
S. of R. of N.W. $\frac{1}{4}$ section 7-3-24w4 ..	Jan. 12, 1909	

FORFEITED LANDS.—Continued.

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N.W. $\frac{1}{4}$ section 22-1-24w4 (154.86 acres)	Apr. 6, 1910	.
S.E. $\frac{1}{4}$ section 15-1-24w4 (154.9 acres)	Apr. 6, 1910	.
S.E. $\frac{1}{4}$ section 20-12-24w4	Apr. 7, 1910	.
N.E. $\frac{1}{4}$ section 6-14-24w4	Apr. 7, 1910	.
S.W. $\frac{1}{4}$ section 22-29-24w4	Apr. 8, 1910	.
N.E. $\frac{1}{4}$ section 16-29-24w4	Apr. 8, 1910	.
N.E. $\frac{1}{4}$ section 10-29-24w4	Apr. 8, 1910	..
N.W. $\frac{1}{4}$ section 20-33-24w4	Apr. 8, 1910	.
S.E. $\frac{1}{4}$ section 34-57-24w4	Apr. 13, 1910	.
N.W. $\frac{1}{4}$ section 20-57-24w4	Apr. 13, 1910	.
S.E. $\frac{1}{4}$ section 2-2-24w4	Apr. 6, 1910	.
N.E. $\frac{1}{4}$ section 25-3-24w4	Apr. 6, 1910	.
S.E. $\frac{1}{4}$ section 25-3-24w4	Apr. 6, 1910	.
S.W. $\frac{1}{4}$ section 2-12-24w4	Apr. 7, 1910	.
S.E. $\frac{1}{4}$ section 34-13-24w4 (155 acres)	Apr. 7, 1910	.
S.E. $\frac{1}{4}$ section 12-13-24w4	Apr. 7, 1910	.
S.E. $\frac{1}{4}$ section 4-14-24w4	Apr. 7, 1910	.
S.E. $\frac{1}{4}$ section 6-17-24w4	Apr. 8, 1910	.
N.W. $\frac{1}{4}$ section 14-23-24w4	Apr. 8, 1910	.
N.E. $\frac{1}{4}$ section 6-50-24w4	Apr. 13, 1910	.
N.E. $\frac{1}{4}$ section 34-58-24w4 (154 acres)	Apr. 13, 1910	.
S.W. $\frac{1}{4}$ section 18-58-24w4	Apr. 13, 1910	.
S.W. $\frac{1}{4}$ section 10-58-24w4	Apr. 13, 1910	.
Lot 12, blk. 2, 25-40-24w4	Nov. 30, 1908	.
Lot 11, blk. 3, Elm Park	Nov. 23, 1908	.
E $\frac{1}{2}$ lot 45, blk. 1, Highland Park	Apr. 13, 1910	.
S. $\frac{1}{2}$ lot 7, blk. 3, Highland Park	Apr. 13, 1910	.
W. $\frac{1}{2}$ lot 16, blk. 3, Highland Park	Apr. 13, 1910	.
Lots 1 to 4 inc., blk. 2, Avonmore	Apr. 13, 1910	.
Lots 23 to 26 inc., blk. 2, Avonmore	Apr. 13, 1910	.
Lots 6 and 7, blk. 5, Lauderdale	Apr. 13, 1910	.
Lots 1 to 5 inc., blk. 5, Lauderdale	Apr. 13, 1910	.
Lot 7, blk. 8, Lauderdale	Apr. 13, 1910	.
Lot 1, blk. 7, Lauderdale	Apr. 13, 1910	.
Lot 6, blk. 9, City View	Apr. 13, 1910	.
Lots 71 and 72, blk. 7, City View	Apr. 13, 1910	.
Lots 73 and 74, blk. 7, City View	Apr. 13, 1910	.
Lots 101 and 105 inc., blk. 9, City View	Apr. 13, 1910	.
All of block 7, Ascot Park	Apr. 13, 1910	.
All of block 9, Ascot Park	Apr. 13, 1910	.
All of block 10, Ascot Park	Apr. 13, 1910	.
All of block 27, Ascot Park	Apr. 13, 1910	.
Lots 5 and 6, blk. 11, Rosslyn	Apr. 13, 1910	.
Lot 12, blk. 18, Rosslyn	Apr. 13, 1910	.
Lot 7, blk. 8, Rosslyn	Apr. 13, 1910	.
S.W. $\frac{1}{4}$ section 36-54-24w4	Apr. 13, 1910	.
Lot 6, Brooklyn	Apr. 13, 1910	.
Lot 14, Brooklyn	Apr. 13, 1910	.
Lot 22, blk. 1, Village of Millet	Nov. 23, 1908	.
W. of R. of S.E. $\frac{1}{4}$ section 4-10-25w4	Dec. 12, 1904	Dec. 18, 1907
N.W. $\frac{1}{4}$ section 18-56-25w4	Nov. 23, 1908	.
N.E. $\frac{1}{4}$ section 26-51-25w4	Nov. 23, 1908	.
N. $\frac{1}{2}$ of N.E. $\frac{1}{4}$ section 20-40-25w4	Nov. 30, 1908	.
S.E. $\frac{1}{4}$ section 30-47-25w4	Nov. 30, 1908	.
S.E. $\frac{1}{4}$ section 20-53-25w4	Nov. 23, 1908	.
Block 29, Bremner	Nov. 23, 1908	.
Block 37, Bremner	Nov. 23, 1908	.
N.W. $\frac{1}{4}$ section 32-37-25w4	Nov. 30, 1908	.
S.W. $\frac{1}{4}$ section 10-37-25w4	Nov. 30, 1908	.
N.E. $\frac{1}{4}$ section 26-42-25w4	Nov. 30, 1908	.
Pt. S.W. $\frac{1}{4}$ section 31-2-25w4 (30 acres)	Apr. 6, 1910	.
Pt. S.W. $\frac{1}{4}$ section 31-2-25w4 (130 acres)	Apr. 6, 1910	.

FORFEITED LANDS.—*Continued.*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N.E. $\frac{1}{4}$ section 10-17-25w4	Apr 8, 1910	
S.W. $\frac{1}{4}$ section 22-18-25w4	Apr 8, 1910	
N.W. $\frac{1}{4}$ section 34-32-25w4	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 28-50-25w4	Apr. 13, 1910	
N.E. $\frac{1}{4}$ section 12-52-25w4	Apr. 13, 1910	
N. of R., S.E. $\frac{1}{4}$ section 16-52-25w4 (10 acres)	Apr. 13, 1910	
N.E. $\frac{1}{4}$ section 26-57-25w4	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 32-1-25w4	Apr. 6, 1910	
N.E. $\frac{1}{4}$ section 22-1-25w4 (144.37 acres)	Apr 6, 1910	
N.E. $\frac{1}{4}$ section 30-7-25w4	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 36-12-25w4	Apr 7, 1910	
S.E. $\frac{1}{4}$ section 36-12-25w4	Apr 7, 1910	
N.E. $\frac{1}{4}$ section 30-19-25w4	Apr 8, 1910	
N.W. $\frac{1}{4}$ section 24-21-25w4	Apr 8, 1910	
S $\frac{1}{4}$ section 18-33-25w4	Apr 8, 1910	
S W $\frac{1}{4}$ section 4-34-25w4	Apr 8, 1910	
Lot 7, blk. 1, Huff Estate	Apr. 13, 1910	
Lot 4, blk. 3, Huff Estate	Apr 13, 1910	
Lot 5, blk. 3, Huff Estate	Apr. 13, 1910	
Lot 10, blk. 3, Huff Estate	Apr 13, 1910	
Lot 1, blk. 4, Huff Estate	Apr 13, 1910	
Lot 2, blk. 4, Huff Estate	Apr 13, 1910	
Lot 3, blk. 4, Huff Estate	Apr 13, 1910	
Lot 4, blk. 5, Huff Estate	Apr 13, 1910	
Lot 5, blk. 5, Huff Estate	Apr 13, 1910	
Lot 4, resubdiv lot 1, blk. 7, Huff Estate	Apr 13, 1910	
Lot 4, blk. 7, Huff Estate	Apr. 13, 1910	
Lots 1 and 2, resubdiv lot 8, blk 7, Huff Estate	Apr. 13, 1910	
Lot 10, resubdiv lot 9, blk 7, Huff Estate	Apr. 13, 1910	
Lots 1 and 2, blk 11, Huff Estate	Apr 13, 1910	
Lot 2, blk 3, High Park	Apr 13, 1910	
Lot 6, blk. 3, High Park	Apr 13, 1910	
Lot 12, blk. 3, High Park	Apr 13, 1910	
Lots 6, 7 and 8, blk. 4, High Park	Apr 13, 1910	
Lot 10, blk 4, High Park	Apr 13, 1910	
Lot 1, blk. 5, High Park	Apr 13, 1910	
Lot 4, blk 5, High Park	Apr 13, 1910	
Lot 8, blk. 5, High Park	Apr 13, 1910	
Lots 1 and 2, blk 6, High Park	Apr 13, 1910	
Lot 5, blk. 6, High Park	Apr 13, 1910	
Lot 8, blk. 6, High Park	Apr 13, 1910	
Lot 11, blk. 6, High Park	Apr. 13, 1910	
N.E. $\frac{1}{4}$ section 18-59-25w4	Apr 13, 1910	
S.E. $\frac{1}{4}$ section 22-53-25w4 (exc. R.W.)	Nov 23, 1908	
N.W. $\frac{1}{4}$ section 32-37-25w4 (exc. roadway)	Nov 30, 1908	
N.W. $\frac{1}{4}$ section 16-46-25w4	Nov 23, 1908	
N.E. $\frac{1}{4}$ section 22-10-25w4	Apr 7, 1910	
N.W. $\frac{1}{4}$ section 28-30-25w4	Apr. 8, 1910	
Pt N W $\frac{1}{4}$ section 24-55-25w4 (120 acres)	Apr. 13, 1910	
S $\frac{1}{4}$ of N.W. $\frac{1}{4}$ section 28-53-25w4	Apr. 13, 1910	
Lots 2 and 3, blk. 10, Westgrove	Apr. 13, 1910	
S.E. $\frac{1}{4}$ of block 19, Jasper Place	Apr 13, 1910	
All of block 70, Jasper Place	Apr 13, 1910	
All of block 68, Jasper Place	Apr 13, 1910	
E $\frac{1}{4}$ of block 20, Jasper Place	Apr 13, 1910	
All of block 69, Jasper Place	Apr 13, 1910	
N.E. $\frac{1}{4}$ of block 43, Jasper Place	Apr. 13, 1910	
N.E. $\frac{1}{4}$ of block 35, Jasper Place	Apr. 13, 1910	
All of block 36, Jasper Place	Apr 13, 1910	
Lot 16, block 2, Morinville	Apr 13, 1910	
Lots 7 and 8, block 3, Morinville	Apr 13, 1910	
Lot 12, block 3, Morinville	Apr 13, 1910	

FORFEITED LANDS.—*Continued.*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N.W. $\frac{1}{4}$ section 24-1-26w4	Dec. 12, 1904	Dec. 18, 1907
N.E. $\frac{1}{4}$ section 24-50-26w4	Nov. 23, 1908	
S. $\frac{1}{2}$ of S.E. $\frac{1}{4}$ section 22-56-26w4	Nov. 23, 1908	
S.E. $\frac{1}{4}$ section 6-37-26w4	Nov. 30, 1908	
Lot 11, blk. 3, Morningside, pt. section 35-41-26w4	Nov. 30, 1908	
Lot 22, blk. 3, Morningside, pt. sec 35-41-26w4	Nov. 30, 1908	
N.W. $\frac{1}{4}$ section 22-17-26w4	Dec. 15, 1908	
S.W. $\frac{1}{4}$ section 24-6-26w4	Dec. 18, 1908	
S.E. $\frac{1}{4}$ section 18-8-26w4	Dec. 18, 1908	
N.W. $\frac{1}{4}$ section 22-9-26w4	Dec. 18, 1908	
S.W. $\frac{1}{4}$ section 10-1-26w4	Jan. 12, 1909	
S.E. $\frac{1}{4}$ section 3-2-26w4	Jan. 12, 1909	
S.E. $\frac{1}{4}$ section 12-1-26w4	Apr. 6, 1910	
S. $\frac{1}{2}$ of S.E. $\frac{1}{4}$ section 31-2-26w4	Apr. 6, 1910	
S.W. $\frac{1}{4}$ section 18-10-26w4	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 26-5-26w4	Apr. 7, 1910	
S.W. $\frac{1}{4}$ section 26-5-26w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 22-5-26w4 (117.5 acres)	Apr. 7, 1910	
N and W of R. N.E. $\frac{1}{4}$ section 15-5-26w4 (51.5 acres)	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 1-17-26w4	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 1-17-26w4	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 6-18-26w4	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 28-30-26w4	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 16-49-26w4	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 36-51-26w4	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 34-56-26w4	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 28-56-26w4	Apr. 13, 1910	
L.S. 11 and 12, E. $\frac{1}{2}$ of L.S. 13 and 14, of section 15-5-26w4	Apr. 7, 1910	
S.W. $\frac{1}{4}$ section 18-6-26w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 10-6-26w4	Apr. 7, 1910	
S.W. $\frac{1}{4}$ section 22-7-26w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 21-7-26w4 (148.4 acres)	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 16-7-26w4 (122 acres)	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 8-9-26w4	Apr. 7, 1910	
S. of R. of S.W. $\frac{1}{4}$ section 6-9-26w4 (46 acres)	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 10-13-26w4	Apr. 7, 1910	
N. $\frac{1}{2}$ section 21-15-26w4	Apr. 7, 1910	
S. $\frac{1}{2}$ section 8-30-26w4	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 24-53-26w4	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 32-49-26w4	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 22-59-26w4	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 20-59-26w4	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 12-59-26w4	Apr. 13, 1910	
Lot 2 in section 24-53-26w4	Nov. 23, 1908	
Lot 3 in section 24-53-26w4	Nov. 23, 1908	
N. $\frac{1}{2}$ section 2-57-26w4	Apr. 13, 1910	
Lot 13, blk. 10, Riviere Qui Barre	Apr. 13, 1910	
Lot 16, blk. 14, Granum	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 14-57-27w4	Nov. 23, 1908	
N.W. $\frac{1}{4}$ section 36-41-27w4	Nov. 30, 1908	
S.W. $\frac{1}{4}$ section 4-41-27w4	Nov. 30, 1908	
S.W. $\frac{1}{4}$ section 34-20-27w4	Dec. 15, 1908	
S.E. $\frac{1}{4}$ section 6-6-27w4	Dec. 18, 1908	
N.E. $\frac{1}{4}$ section 18-14-27w4	Dec. 18, 1908	
N.E. $\frac{1}{4}$ section 4-2-27w4	Apr. 6, 1910	
N.E. $\frac{1}{4}$ section 28-4-27w4 (154 acres)	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 28-4-27w4 (103 acres)	Apr. 7, 1910	
S.W. $\frac{1}{4}$ section 9-4-27w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 24-18-27w4	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 32-19-27w4	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 31-34-27w4	Apr. 8, 1910	

FORFEITED LANDS.—*Continued.*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N.W. $\frac{1}{4}$ section 30-34-27w4	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 4-34-27w4	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 10-50-27w4	Apr. 13, 1910	
S.W. $\frac{1}{4}$ section 24-53-27w4	Apr. 13, 1910	
Pt. S.E. $\frac{1}{4}$ section 6-55-27w4 (125 4 acres)	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 4-2-27w4	Apr. 6, 1910	
S.E. $\frac{1}{4}$ section 19-5-27w4 (153 4 acres)	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 18-9-27w4	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 10-9-27w4	Apr. 7, 1910	
All section 31-10-27w4 (646 8 acres)	Apr. 7, 1910	
N. & E. of R. of S.W. $\frac{1}{4}$ section 1-10-27w4 (67 95 acres)	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 34-11-27w4	Apr. 7, 1910	
E. of R., S.E. $\frac{1}{4}$ section 28-11-27w4 (23 9 acres).	Apr. 7, 1910	
W. of R., S.E. $\frac{1}{4}$ section 28-11-27w4 (131 acres).	Apr. 7, 1910	
S. of R., S.W. $\frac{1}{4}$ section 23-11-27w4 (18.4 acres)	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 28-12-27w4	Apr. 7, 1910	
E. $\frac{1}{4}$ section 23-13-27w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 10-19-27w4	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 32-28-27w4	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 32-54-27w4	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 4-38-28w4	Nov 30, 1908	
S.E. $\frac{1}{4}$ section 2-40-28w4	Nov 30, 1908	
E. of R., S.E. $\frac{1}{4}$ section 18-20-28w4	Dec. 15, 1908	
N.W. $\frac{1}{4}$ section 36-14-28w4	Dec. 18, 1908	
E. of R., N.E. $\frac{1}{4}$ and S.W. $\frac{1}{4}$ section 21-2-28w4 (180 acs)	Apr. 6, 1910	
S.W. $\frac{1}{4}$ section 24-10-28w4	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 19-10-28w4	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 19-17-28w4	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 4-18-28w4	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 22-32-28w4	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 22-2-28w4	Apr. 6, 1910	
N.E. $\frac{1}{4}$ section 10-6-28w4	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 27-11-28w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 27-11-28w4 (154 acres)	Apr. 7, 1910	
S. $\frac{1}{4}$ section 26-11-28w4	Apr. 7, 1910	
All section 23-11-28w4 (628 acres)	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 32-15-28w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 12-24-28w4	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 24-28-28w4	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 24-28-28w4	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 12-28-28w4	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 22-31-28w4	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 14-31-28w4	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 20-32-28w4	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 17-32-28w4	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 15-33-28w4	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 35-2-29w4	Apr. 6, 1910	
N.E. $\frac{1}{4}$ section 4-6-29w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 4-6-29w4	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 34-10-29w4	Apr. 7, 1910	
E. $\frac{1}{4}$ section 33-12-29w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 28-12-29w4	Apr. 7, 1910	
S.W. $\frac{1}{4}$ section 23-13-29w4	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 7-13-29w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 7-13-29w4	Apr. 7, 1910	
S.W. $\frac{1}{4}$ section 7-13-29w4	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 4-13-29w4	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 4-13-29w4	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 12-14-29w4	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 26-18-29w4	Apr. 8, 1910	
Pt. S.E. $\frac{1}{4}$ section 26-18-29w4 (153 9 acres)	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 26-18-29w4	Apr. 8, 1910	

FORFEITED LANDS.—*Continued.*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
Townsite of Norma, N.E. $\frac{1}{4}$ section 12-20-29w4—		
Lots 12, 18, 23 and 24, block 1	Apr. 8, 1910	.
Lots 25 to 40, block 1	Apr. 8, 1910	.
Lots 13, 14 and 15, blk 1	Apr. 8, 1910	.
Lots 16 and 17, blk. 1	Apr. 8, 1910	.
Lots 19 and 20, blk 1	Apr. 8, 1910	.
Lots 21 and 22, blk. 1	Apr. 8, 1910	.
Lots 1 to 7, blk. 2	Apr. 8, 1910	.
Lots 8 and 9, blk. 2	Apr. 8, 1910	.
Lots 10 to 38 inc, blk 2	Apr. 8, 1910	.
Lots 39 and 40, blk. 2	Apr. 8, 1910	.
Lots 9, 10 and 11, blk 1	Apr. 8, 1910	.
Lots 1 to 40, blk 3	Apr. 8, 1910	.
Lots 1 to 5, blk. 4	Apr. 8, 1910	.
Lots 6 to 40, blk 4	Apr. 8, 1910	.
Lots 1 to 20, blk 5	Apr. 8, 1910	.
Lots 1 to 20, blk 6	Apr. 8, 1910	.
S.W. $\frac{1}{4}$ section 15-19-29w4	Apr. 8, 1910	.
S $\frac{1}{4}$ of S E $\frac{1}{4}$ section 16-4-29w4	Apr. 7, 1910	.
N $\frac{1}{4}$ section 18-6-29w4	Apr. 7, 1910	.
S.W. $\frac{1}{4}$ section 31-9-29w4	Apr. 7, 1910	.
N E $\frac{1}{4}$ section 32-10-29w4	Apr. 7, 1910	.
N E. $\frac{1}{4}$ section 3-10-29w4	Apr. 7, 1910	.
E. $\frac{1}{4}$ section 10-11-29w4	Apr. 7, 1910	.
N E $\frac{1}{4}$ section 4-11-29w4	Apr. 7, 1910	.
S.E. $\frac{1}{4}$ section 10-17-29w4	Apr. 8, 1910	.
N of R. of N E. $\frac{1}{4}$ section 19-22-29w4 (23 acres)	Apr. 8, 1910	.
N E $\frac{1}{4}$ section 35-34-29w4	Apr. 8, 1910	.
S E $\frac{1}{4}$ section 12-7-30w4	Dec. 12, 1904	Dec. 18, 1907
S $\frac{1}{4}$ of N W. $\frac{1}{4}$ section 12-13-30w4	Dec. 18, 1908	.
Pt. S W $\frac{1}{4}$ section 30-1-30w4.	Apr. 7, 1910	.
S E. $\frac{1}{4}$ section 36-12-30w4	Apr. 7, 1910	.
Lot 13, blk. 4, S E $\frac{1}{4}$ 22-24-1w5	Oct 15, 1902	Dec 18, 1907
Lot 4, blk 29, section 10-24-1w5	Oct 15, 1902	Dec 18, 1907
S W $\frac{1}{4}$ section 8-52-1w5.	Nov 23, 1908	.
S W $\frac{1}{4}$ section 27-37-1w5	Nov. 30, 1908	.
S W. $\frac{1}{4}$ section 36-38-1w5	Nov. 30, 1908	.
S E $\frac{1}{4}$ section 27-36-1w5	Nov 30, 1908	.
S W $\frac{1}{4}$ section 27-36-1w5	Nov 30, 1908	.
N W $\frac{1}{4}$ section 10-39-1w5	Nov. 30, 1908	.
Lot 20, blk. 2, Crossfield, 4501-L	Dec. 15, 1908	.
Lot 10, blk 2, Crossfield, 4501-L	Dec. 15, 1908	.
Lot 6, blk 5, Crossfield, 4501-L	Dec. 15, 1908	.
S E. $\frac{1}{4}$ section 18-25-1w5	Dec. 15, 1908	.
S E $\frac{1}{4}$ section 34-6-1w5	Dec. 18, 1908	.
E of R. S E. $\frac{1}{4}$ section 26-23-1w5 (32 acres).	Apr. 8, 1910	.
N $\frac{1}{4}$ of S E. $\frac{1}{4}$ section 28-18-1w5	Apr. 8, 1910	.
W. of R. N E $\frac{1}{4}$ section 23-23-1w5 (32 acres)	Apr. 8, 1910	.
W of R. S E. $\frac{1}{4}$ section 23-23-1w5 (108 acres)	Apr. 8, 1910	.
S E $\frac{1}{4}$ section 20-23-1w5	Apr. 8, 1910	.
Blocks "C" and "D." section 18-24-1w5	Apr 8, 1910	.
Block "R" section 18-24-1w5	Apr. 8, 1910	.
Block "I." section 18-24-1w5	Apr. 8, 1910	.
Block "M" section 18-24-1w5	Apr 8, 1910	.
N E $\frac{1}{4}$ blk D, S E $\frac{1}{4}$ section 32-24-1w5	Apr. 8, 1910	.
S.E. $\frac{1}{4}$ blk F, S E. $\frac{1}{4}$ section 32-24-1w5	Apr 8, 1910	.
N E $\frac{1}{4}$ blk. G, S E $\frac{1}{4}$ section 32-24-1w5	Apr 8, 1910	.
E. $\frac{1}{4}$ blk 14, plan 5017-R	Apr 8, 1910	.
Lots 31 and 32, blk. 1, Plan 2934-O.	Apr 8, 1910	.
Lots 11 and 12, blk 3, Plan 2934-O	Apr. 8, 1910	.
Lots 17 and 18, blk. 3, Plan 2934-O	Apr. 8, 1910	.
Lots 25 and 26, blk 9, Plan 2934-O	Apr 8, 1910	.

FORFEITED LANDS.—*Continued.*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
Lots 11 and 13, blk 10, Plan 2934-O	Apr 8, 1910	
Lots 15 to 18, blk 11, Plan 2934-O	Apr. 8, 1910	
Lots 23 to 26, blk 11, Plan 2934-O	Apr 8, 1910	
Lots 14 to 19, blk 15, Plan 2934-O	Apr 8, 1910	
Lots 11 and 12, blk. 20, Plan 2934-O	Apr. 8, 1910	
Lots 29 and 30, blk 20, Plan 2934-O	Apr. 8, 1910	
Lots 35 to 37, blk 21, Plan 2934-O	Apr 8, 1910	
Lots 21 and 22, blk. 22, Plan 2934-O	Apr. 8, 1910	
Lots 17 to 24, blk 23, Plan 2934-O	Apr. 8, 1910	
Lots 39 to 40, blk 23, Plan 2934-O	Apr. 8, 1910	
Lots 31 to 34, blk 23, Plan 2934-O	Apr. 8, 1910	
Lots 20 to 22, blk 36, Plan 2934-O	Apr. 8, 1910	
Lots 9 to 13, blk. 14, Plan 3150-P	Apr. 8, 1910	
Lots 7 and 8, blk. 40, Plan 3150-P	Apr. 8, 1910	
E $\frac{1}{4}$ blk 2, Plan 192-L	Apr. 8, 1910	
Lots 32 and 33, blk 5, Plan 419-R	Apr. 8, 1910	
Lots 33 to 42, blk. 7, Plan 419-R	Apr. 8, 1910	
Lot 51, blk 2, Plan 1367-O	Apr 8, 1910	
Lots 1 and 2, blk 4, Plan 1367-O	Apr 8, 1910	
Lots 3 and 4, blk 4, Plan 1367-O	Apr. 8, 1910	
Lots 5 and 6, blk 4, Plan 1367-P	Apr 8, 1910	
Lots 58 and 59, blk 4, Plan 1367-O	Apr. 8, 1910	
Lots 60 and 61, blk 4, Plan 1367-O	Apr 8, 1910	
Lots 62 and 63, blk. 4, Plan 1367-O	Apr 8, 1910	
Lots 49 and 50, blk 14, Plan 2129-O	Apr 8, 1910	
Lots 51 to 55, blk 14, Plan 2129-O	Apr 8, 1910	
Lot 2, blk 16, Plan 2129-O	Apr 8, 1910	
Lots 6 and 7, blk 16, Plan 2129-O	Apr 8, 1910	
Lots 8 and 9, blk 16, Plan 2129-O	Apr 8, 1910	
Lots 28 and 29, blk 16, Plan 2129-O	Apr 8, 1910	
Lots 50 and 51, blk 16, Plan 2129-O	Apr 8, 1910	
Lot 55, blk 16, Plan 2129-O	Apr 8, 1910	
Lots 41 to 44, blk. 22, Plan 2129-O	Apr 8, 1910	
Lots 1 and 2, blk 23, Plan 2129-O	Apr 8, 1910	
Lots 15 and 16, blk 23, Plan 2129-O	Apr 8, 1910	
Lot 19, blk 23, Plan 2129-O	Apr. 8, 1910	
Lot 20, blk 23, Plan 2129-O	Apr. 8, 1910	
Lots 22 and 23, blk. 23, Plan 2129-O	Apr. 8, 1910	
Lots 42 and 43, blk. 23, Plan 2129-O	Apr. 8, 1910	
Lots 15 and 16, blk 24, Plan 2129-O	Apr. 8, 1910	
Lots 34 to 39, blk. 24, Plan 2129-O	Apr. 8, 1910	
Lots 7 to 12, blk 25, Plan 2129-O	Apr. 8, 1910	
Lots 23 and 24, blk. 25, Plan 2129-O	Apr. 8, 1910	
Lots 27 and 28, blk. 25, Plan 2129-O	Apr 8, 1910	
Lots 31 and 32, blk 25, Plan 2129-O	Apr 8, 1910	
Lots 47 to 52, blk 25, Plan 2129-O	Apr. 8, 1910	
Lots 55 and 56, blk 25, Plan 2129-O	Apr 8, 1910	
Lots 27 to 30, blk 26, Plan 2129-O	Apr 8, 1910	
Lots 23 and 24, blk 27, Plan 2129-O. . .	Apr 8, 1910	
Lots 27 and 28, blk 27, Plan 2129-O	Apr 8, 1910	
Lots 9, 10 and 11, blk. 28, Plan 2129-O	Apr 8, 1910	
Lot 12, blk. 28, Plan 2129-O	Apr 8, 1910	
Lots 30 to 33, blk 30, Plan 2129-O	Apr 8, 1910	
Lots 36 and 37, blk 30, Plan 2129-O	Apr. 8, 1910	
Lots 43 to 46, blk 31, Plan 2129-O..	Apr. 8, 1910	
Lots 37 to 40, blk. 3, Plan 2129-O	Apr. 8, 1910	
Lots 7 to 12, blk. 15, Plan 2129-O	Apr. 8, 1910	
Lots 23 and 24, blk 15, Plan 2129-O	Apr. 8, 1910	
Lots 60 to 64, blk 32, Plan 2129-O	Apr 8, 1910	
Lots 14 and 15, blk 34, Plan 2129-O	Apr. 8, 1910	
Lots 29 and 30, blk 47, Plan 470-P..	Apr. 8, 1910	
Lots 27 and 28, blk 41, Plan 791-P	Apr. 8, 1910	

FORFEITED LANDS.—*Continued.*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
Lots 39 and 40, blk. 41, Plan 791-P	Apr. 8, 1910	
Lots 15 and 16, blk. 42, Plan 791-P	Apr. 8, 1910	
Lots 31 and 32, blk. 42, Plan 791-P	Apr. 8, 1910	
Lots 37 and 38, blk. 42, Plan 791-P	Apr. 8, 1910	
Lots 13 and 14, blk. 50, Plan 791-P	Apr. 8, 1910	
Lots 3 and 4, blk. 56, Plan 791-P	Apr. 8, 1910	
Lots 7 and 8, blk. 56, Plan 791-P	Apr. 8, 1910	
Lots 9 and 10, blk. 56, Plan 791-P	Apr. 8, 1910	
Lots 17 and 18, blk. 57, Plan 791-P	Apr. 8, 1910	
Lot 4, blk. 7, Plan 3946-N	Apr. 8, 1910	
Lot 31, blk. 7, Plan 3946-N	Apr. 8, 1910	
Lot 32, blk. 7, Plan 3946-N	Apr. 8, 1910	
Lots 33 and 34, blk. 7, Plan 3946-N	Apr. 8, 1910	
Lot 30, blk. 14, Plan 3946-N	Apr. 8, 1910	
Lots 39 and 40, blk. 23, Plan 3946-N	Apr. 8, 1910	
Lot 4 blk. 1, Plan 4923-R	Apr. 8, 1910	
Lots 9 and 10, blk. 1, Plan 4923-R	Apr. 8, 1910	
Lots 35 to 38, blk. 1, Plan 4923-R	Apr. 8, 1910	
Lots 39 and 40, blk. 1, Plan 4923-R	Apr. 8, 1910	
Lots 14 and 15, blk. 2, Plan 4923-R	Apr. 8, 1910	
Lots 11 and 12, Plan 2488-R	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 18-34-1w5	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 24-6-1w5	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 15-6-1w5	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 28-8-1w5	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 24-10-1w5	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 14-20-1w5	Apr. 8, 1910	
All section 32-27-1w5	Apr. 8, 1910	
Lot 4, blk. 1, W. $\frac{1}{2}$ N.W. $\frac{1}{4}$ section 29-24-1w5	Apr. 8, 1910	
Lots 24, 25, 26 and 29, blk. 2, W. $\frac{1}{2}$ N.W. $\frac{1}{4}$ section 29-24-1w5	Apr. 8, 1910	
N. $\frac{1}{2}$ and S.E. $\frac{1}{4}$ section 6-28-1w5	Apr. 8, 1910	
N. $\frac{1}{2}$, S.W. $\frac{1}{4}$ section 6-28-1w5, N. $\frac{1}{2}$ S. $\frac{1}{2}$ of S.W. $\frac{1}{4}$ section 6-28-1w5	Apr. 8, 1910	
S. $\frac{1}{2}$ of S. $\frac{1}{2}$, S.W. $\frac{1}{4}$ section 6-28-1w5	Apr. 8, 1910	
E. $\frac{1}{4}$ section 10-17-1w5	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 4-49-1w5	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 18-50-1w5	Apr. 13, 1910	
N.E. $\frac{1}{4}$ section 10-55-1w5	Apr. 13, 1910	
N.W. $\frac{1}{4}$ section 2-55-1w5	Apr. 13, 1910	
Lots 15 and 16, blk. 1, section 23-40-1w5	Nov. 30, 1909	
Lots 23 and 24, blk. 7, Plan 2934-O	Apr. 8, 1910	
Lots 11 and 12, blk. 19, Plan 2934-O	Apr. 8, 1910	
Lots 21 to 24, blk. 38, Plan 2934-O	Apr. 8, 1910	
Lots 31 to 36, blk. 38, Plan 2934-O	Apr. 8, 1910	
Lot 4, blk. 38, Plan 3150-P	Apr. 8, 1910	
Lots 1 to 36, blk. 28, Plan 791-P	Apr. 8, 1910	
Lots 31 to 60, blk. 4, Plan 419-R	Apr. 8, 1910	
Lots 1 to 32, blk. 7, Plan 419-R	Apr. 8, 1910	
Lots 43 to 45, blk. 7, Plan 419-R	Apr. 8, 1910	
Lots 45 and 46, blk. 22, Plan 2129-O	Apr. 8, 1910	
Lots 57 and 58, blk. 23, Plan 2129-O	Apr. 8, 1910	
Lots 3 and 4, blk. 31, Plan 2129-O	Apr. 8, 1910	
Lots 67 and 68, blk. 31, Plan 2129-O	Apr. 8, 1910	
Lots 7 to 18, blk. 1, Plan 1367-O	Apr. 8, 1910	
Lots 19 to 22, blk. 6, Plan 1367-O	Apr. 8, 1910	
Lots 34 to 37, blk. 6, Plan 1367-O	Apr. 8, 1910	
Lots 27 and 28, blk. 7, Plan 3946-N	Apr. 8, 1910	
Lots 29 and 30, blk. 7, Plan 3946-N	Apr. 8, 1910	
Lots 9 and 10, blk. 9, Plan 3946-N	Apr. 8, 1910	
Lot 10, blk. 20, Plan 3946-N	Apr. 8, 1910	
Lots 1 and 2, blk. 8, Plan 2934-O	Apr. 8, 1910	

FORFEITED LANDS.—*Continued*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
N.E. $\frac{1}{4}$ section 26-51-1w5 (less roadway)	Apr 13, 1910	
Lot 21, blk 19, Village of Carstairs	Apr 8, 1910	
N. of R., S.E. $\frac{1}{4}$ section 30-51-2w5	Nov. 23, 1908	
S.W. $\frac{1}{4}$ section 12-55-2w5	Nov. 23, 1908	
N.W. $\frac{1}{4}$ section 2-55-2w5	Nov 23, 1908	
S.W. $\frac{1}{4}$ section 32-43-2w5	Nov. 30, 1908	
S. of R., N.E. $\frac{1}{4}$ section 19-18-2w5	Dec. 15, 1908	
S. of R., N.E. $\frac{1}{4}$ section 17-18-2w5	Dec 15, 1908	
S.E. $\frac{1}{4}$ section 35-14-2w5	Apr. 7, 1910	
S.W. $\frac{1}{4}$ section 35-14-2w5	Apr. 7, 1910	
All section 25-14-2w5	Apr. 7, 1910	
E. $\frac{1}{4}$ section 9-14-2w5	Apr 7, 1910	
N.W. $\frac{1}{4}$ and S. $\frac{1}{4}$ section 3-14-2w5	Apr 7, 1910	
W. $\frac{1}{4}$ section 1-14-2w5	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 22-19-2w5	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 12-28-2w5	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 12-28-2w5	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 4-28-2w5	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 2-28-2w5	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 22-32-2w5	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 14-32-2w5	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 32-33-2w5	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 34-34-2w5	Apr 8, 1910	
N.W. $\frac{1}{4}$ and S. $\frac{1}{4}$ section 3-15-2w5	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 23-55-2w5	Apr 13, 1910	
S.W. $\frac{1}{4}$ section 16-55-2w5	Apr. 13, 1910	
N.E. $\frac{1}{4}$ section 10-57-2w5	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 32-6-2w5	Apr. 7, 1910	
S.W. $\frac{1}{4}$ section 32-6-2w5	Apr. 7, 1910	
S.E. $\frac{1}{4}$ section 13-6-2w5	Apr. 7, 1910	
N.W. $\frac{1}{4}$ section 2-7-2w5	Apr. 7, 1910	
All section 35-18-2w5	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 20-18-2w5	Apr. 8, 1910	
N.W. $\frac{1}{4}$ and S. $\frac{1}{4}$ section 19-18-2w5	Apr 8, 1910	
N.W. $\frac{1}{4}$ and S. $\frac{1}{4}$ section 17-18-2w5	Apr 8, 1910	
All section 7-18-2w5	Apr. 8, 1910	
N. $\frac{1}{4}$ section 3-19-2w5	Apr 8, 1910	
S.W. $\frac{1}{4}$ section 3-19-2w5	Apr. 8, 1910	
W. $\frac{1}{4}$ section 10-21-2w5	Apr. 8, 1910	
E. $\frac{1}{4}$ section 3-21-2w5	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 30-22-2w5	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 36-25-2w5	Apr 8, 1910	
S.E. $\frac{1}{4}$ section 20-25-2w5	Apr 8, 1910	
N.E. $\frac{1}{4}$ section 10-25-2w5	Apr 8, 1910	
N.W. $\frac{1}{4}$ section 3-25-2w5	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 34-27-2w5 (less roadway).	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 4-28-2w5	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 2-50-2w5	Apr. 13, 1910	
S.W. $\frac{1}{4}$ section 10-32-2w5	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 20-34-2w5	Apr 8, 1910	
Lot 7, blk. 4, Village of Evarts	Nov 30, 1908	
Lot 8, blk 4, Village of Evarts	Nov. 30, 1908	
Lot 9, blk 4, Village of Evarts	Nov 30, 1908	
N.E. $\frac{1}{4}$ section 21-18-3w5	Apr 8, 1910	
S. of R., N.W. $\frac{1}{4}$ section 21-18-3w5	Apr 8, 1910	
S. $\frac{1}{4}$ section 21-18-3w5	Apr 8, 1910	
N.W. $\frac{1}{4}$ section 34-29-3w5	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 36-33-3w5	Apr 8, 1910	
S.W. $\frac{1}{4}$ section 34-28-3w5	Apr 8, 1910	
N.E. $\frac{1}{4}$ section 6-28-3w5	Apr. 8, 1910	
S. of R., S.E. $\frac{1}{4}$ section 35-18-3w5 (64 7 acres)	Apr. 8, 1910	
S. of R., S.W. $\frac{1}{4}$ section 35-18-3w5 (90 acres)	Apr 8, 1910	

FORFEITED LANDS — *Continued.*

LANDS	DATE OF APPROVAL OF RETURN BY JUDGE	DATE OF FINAL ORDER OF FORFEITURE
All of section 23-18-3w5	Apr. 8, 1910	
Pt. N. $\frac{1}{4}$ section 6-21-3w5 (316 acres)	Apr. 8, 1910	
S. of R., S.W. $\frac{1}{4}$ section 16-24-3w5 (40 acres)	Apr. 8, 1910	
N. of R., N.E. $\frac{1}{4}$ section 12-25-3w5 (146 acres)	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 32-26-3w5	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 26-26-3w5	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 24-26-3w5	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 18-26-3w5	Apr. 8, 1910	
Lot 2, Lac Ste. Anne.	Nov. 23, 1908	
N.W. $\frac{1}{4}$ section 22-24-4w5	Dec. 15, 1908	
N. of R., N.E. $\frac{1}{4}$ section 5-26-4w5	Dec. 15, 1908	
E. $\frac{1}{2}$ section 23-31-4w5	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 12-33-4w5	Apr. 8, 1910	
Pt. W. $\frac{1}{4}$ section 18-24-4w5 (21.78 acres)	Apr. 8, 1910	
S.E. $\frac{1}{4}$ section 36-26-4w5	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 16-27-4w5	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 2-24-4w5	Apr. 8, 1910	
Pt. all section 1-24-4w5 (615 81 acres)	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 34-26-4w5	Apr. 8, 1910	
N.W. $\frac{1}{4}$ section 20-30-4w5	Apr. 8, 1910	
N. of R., S.E. $\frac{1}{4}$ section 21-34-4w5	Apr. 8, 1910	
Lot 20, blk 22, Village of Coleman	Apr. 7, 1910	
Lots 5 and 6, Village of Blairmore, blk 2	Apr. 7, 1910	
N.E. $\frac{1}{4}$ section 10-8-5w5	Apr. 7, 1910	
S.W. $\frac{1}{4}$ section 14-23-5w5	Apr. 8, 1910	
N.E. $\frac{1}{4}$ section 10-23-5w5	Apr. 8, 1910	
Pt. N.E. $\frac{1}{4}$ section 16-53-5w5 (136 5 acres)	Apr. 13, 1910	
S.E. $\frac{1}{4}$ section 2-26-5w5	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 14-30-5w5	Apr. 8, 1910	
N.E. $\frac{1}{4}$ and S. $\frac{1}{4}$ section 14-26-5w5	Apr. 8, 1910	
S.W. $\frac{1}{4}$ section 14-27-5w5	Apr. 8, 1910	
Pt. S.W. $\frac{1}{4}$ section 22-53-6w5 (153 2 acres)	Apr. 13, 1910	

COLLECTION OF EDUCATIONAL TAXES.

The total assessment levied under The Educational Tax Act for the year 1910 was \$162,604 73 as compared with \$144,539 79 in the year 1909. The total amount collected under this Act in the year 1910 was \$105,557.46

Your obedient servant,

JNO PERRIE,
Tax Commissioner.

THE STEAM BOILERS BRANCH

Inside Staff.

Outside Staff

{ One Clerk-in-Charge
One Inspector
One Stenographer
Four Inspectors

The year 1910 has been a period of tremendous development in the history of the Steam Boiler Branch, the rapid settlement of the province in all directions and the ever-increasing cultivated acreage, together with the large additions to industrial and manu-

facturing plants, having been the means of an influx of boilers such as far exceeded the anticipations of the most optimistic manufacturers. It will be remembered that in 1909 regulations for the construction and inspection of boilers, to which all designs had to conform, were issued by the department, by authority of the Minister of Public Works, and, at the beginning of 1910, so many designs were being submitted to the department for approval, and there were so many inquiries from boiler manufacturing firms in the United States and Canada with regard to the regulations, that it was found necessary to draft one of the inspectors (Mr F W Hobson) from the outside to the inside staff, in order to cope more effectively with the work. Each member of the staff, in fact, has been worked to full capacity during the year, and it is gratifying to them to find that the regulations, about which there was some criticism at first from firms which did not fully understand their purport, have now been very favourably received by the majority of the principal manufacturers on the continent. It may be interesting in this connection to note that one or two large manufacturers, after several months' experience with the regulations, became so convinced of their efficiency that they adopted them for their standard practice, and are now shipping boilers that conform to the Alberta regulations to all parts of the world.

It is a matter of satisfaction to be able to note that the Provinces of Alberta and Saskatchewan are in complete accord with regard to the standard of boiler construction, the regulations in each province being practically identical. This arrangement is of great advantage to the manufacturers, who are able to use one design of boiler for both provinces.

There have been a few changes in the inspection staff during the year. Mr W. D. Watson was appointed to the Red Deer district in February, to take the place of Mr F. W. Hobson, transferred to headquarters. Mr J. T. Watson was appointed in May to assist Inspector Marshall at Lethbridge, but resigned in September to accept another appointment. Mr E. Davey was appointed to assist Inspector Buxton, at Calgary, but after three months' service was taken seriously ill, and afterwards went abroad for the benefit of his health.

As indicated in previous reports, it is absolutely necessary to increase the inspection staff if the work is to be adequately carried out. In the southern district, for instance, no less than thirty-five stationary boilers were installed during the year within a radius of seven miles. The irrigation district around Calgary, with its numerous contracting outfits, has also provided a great deal of increased work.

It has been decided to make different arrangements with regard to the engineers' examinations. Hitherto, examinations have been held throughout the province in the spring and fall of each year. While this arrangement was fairly satisfactory, it monopolized a great deal of the valuable time of the inspectors, especially in the fall, when the weather is generally ideal for inspecting traction outfits. The fall examinations will therefore be discontinued, and in their place the inspectors will hold examinations at their respective headquarters on the first Saturday of each month. This will in reality be more advantageous to intending candidates, as they will know exactly when they can interview the inspectors each month, and the inspectors will save time by not being compelled to attend to applications when they should be inspecting boilers.

During the past year ninety-five engineers' examinations were held throughout the province, as well as the regular monthly exam-

inations by each inspector, over 1,300 candidates being interviewed. In this connection, it may be stated that while the number of engineers is increasing year by year, their standard of ability is gradually improving, and this should be a matter of satisfaction to owners of plants who desire effective service.

Convictions were obtained in seventeen cases during the year for violation of The Steam Boilers Act.

Four minor accidents, resulting in the scalding of two engineers, were reported, but no fatalities.

The following are the names and addresses of the inspectors:

Jos. Buxton, Calgary.
David Fraser, Strathcona.
F. W. Hobson, Edmonton.
Nat. Marshall, Lethbridge.
W. D. Watson, Red Deer.

A consolidated summary, compiled from the inspectors' reports, showing the total number of defects found in 921 boilers examined during the year, follows:

DEFECTS IN	Hor. Tub.	Hor. Fur.	Ret. Tub.	Loco F'box	Vert. Tub.	Water Tubes	Total
Shell and drum	4		13	12			29
Front tube sheet	8		10	7	1	4	31
Back tube sheet	6		10	8			23
Top tube sheet				2	3		5
Bottom tube sheet					4		4
Firebox side sheet							.
Firebox side sheet (inside)			1	27			28
Firebox side sheet (outside)				5			5
Crown sheet	1			37			38
Saddle sheet				1			1
Inside W. B. sheet				5			5
Outside W. B. sheet				3			3
Back sheet				4			4
Faceplate				8	3		11
Throat sheet				1			1
Foundation and door rings				20			20
Staybolts	2		3	173	2		180
Crown stays				23			23
Longtl stays	1		1	11			13
Leaking seams			1	6	2		9
Rivets	1			2			3
Main flues	4						4
Tubes	11	2	13	23	15	14	78
Handholes and manholes	9		11	24	17		61
Studs and bracket attachment			2	59	4		65
Safety valves	6		3	101	24		134
Steam gauges	9		15	84	19	4	131
Water gauge fittings	9	3	21	90	19		142
Blow-down	15	3	9	77	19	4	127
Fusible plug	7		21	99			127
Settings	14		8				22
Heavy scale	14	2	27	93	10	3	149
	121	10	169	1,905	142	29	1,476

A schedule of certificates issued and fees collected, inspectors' annual reports, and list of final certificates issued to December 31st, are appended:

	1909	1910
Number of certificates issued for boilers inspected	738	921
Number of advertised examinations for engineers held	92	95
Number of first class certificates issued	7	11
Number of second class certificates issued	28	45
Number of third class certificates issued	314	406
Number of provisional certificates issued	562	594
Number of second provisional certificates issued.	77	57
Number of renewals of provisional certificates	66	51
Number of permits issued	34	59

FEES COLLECTED.

	1909	1910
For inspection of boilers	\$3,561 00	\$4,160 00
For final certificates under Section 28	95 00	110 00
For examination of engineers for final certificates	2,105 00	2,540 00
For provisional certificates	2,515 00	2,585 00
For second provisional certificates	385 00	285 00
For renewal of provisional certificates	165 00	127 50
For permits	170 00	295 00
For survey of drawings		1,458 50
	\$8,996 00	\$11,561 00

EXPENDITURE

For the year ending December 31st, 1910, in connection with the administration of The Steam Boilers Act	\$17,533 38
---	-------------

CALGARY, January 6, 1911.

JNO. STOCKS, ESQ.,
Deputy Minister of Public Works,
 Edmonton, Alberta

SIR,—I have the honour to submit my annual report for the year 1910 as Inspector of Steam Boilers, in accordance with Section 9 of the Act.

At the beginning of the year I was called to Edmonton, together with the other inspectors, in order to assist in compiling the 1910 regulations, and also to draw up new sets of examination papers. After this work had been accomplished, I returned to Calgary and began to hold examinations. From February 22nd to the 5th of March, Inspector Marshall and myself held examinations in the larger centres in the southern part of the province. I afterwards held twelve advertised examinations at various parts of my district during the year, in addition to the monthly examinations at my headquarters. I consider these monthly examinations are an essential feature, not only to accommodate the new-comers and those candidates who happen to miss the regular examinations, but also to give general information to contractors, owners of steam plants, and operators.

The applicants for final and provisional certificates in my district during the year numbered 226. One hundred candidates were examined for final certificates, which were rated as follows: First

class, 2; second class, 3; third class (stationary and traction and portable), 71 Twenty-four failed for stationary certificates, principally on account of insufficient experience in that class of work.

Ten candidates who were already holders of certificates from other governing bodies applied for Alberta certificates. They were as follows: Two with British Board of Trade certificates; two from Quebec; four from Ontario; two from the United States.

Number of boilers visited during the year, 220; number inspected and inspection certificates issued, 178

The types of boilers inspected were as follows: Horizontal tubular, 74; horizontal flue, 4; horizontal furnace, 4; water tube, 18; locomotive fire box, 38; return tubular, 4; vertical types, 36; total, 178.

Two boilers were condemned: One locomotive type, which was so badly cracked and corroded, internally, that it was beyond repair; and one vertical type which was shipped in from the east and was so badly damaged by frost that the lower part of the shell and the firebox were completely ruined Three water tube boilers were found to be badly cracked between the tubes of the front headers. Of 14 tubes, seven of the bridges were found badly cracked. Repairs were ordered on the three latter boilers, and when these are executed the pressure will be reduced to what is considered a safe limit

Mr Ed Davey, of Medicine Hat, was appointed as my assistant, on July 1st, but unfortunately he was taken ill on August 20th and removed to the General Hospital at Calgary. He eventually went to his home in Scotland Since then I have been alone in this district, and as I myself have not been in the best of health, especially during the first part of the year, the northern and eastern parts of my district have not been visited as often as I would have liked There are therefore a large number of boilers to be inspected in my district that should have received attention

An accident was reported to me through the department Upon investigation, I found that Mr. Baumberger, of Busby Ridge, had dropped the crown sheet of his boiler clear off all the crown bolts This accident happened on June 20th Mr Fred Baumberger was operating at the time as engineer, being the holder of a provisional certificate The engineer and fireman, the latter named Alex. Bower, were badly scalded I am pleased to report that in neither case did the injuries prove fatal The crown sheet has since been repaired; all new and large crown bolts have been put in and the pressure reduced to 130 pounds.

One permit was issued during the year under Section 34 of the Act

I may add, in conclusion, with regard to the regulations, that several of the larger owners and manufacturers have personally expressed to me their satisfaction with the stand taken by the department, and I am sure that only lasting benefit will result from the policy that has been laid down

I have the honour to be, Sir,

Your obedient servant,

JOS BUXTON,
Inspector of Boilers

STRATHCONA, December 31, 1910

JNO. STOCKS, Esq.,
Deputy Minister of Public Works,
Edmonton, Alberta.

SIR,—I beg to submit the following report in connection with the inspection of boilers made by me during the year 1910

During the latter part of January and the early part of February, the inspectors were in Edmonton arranging for the season's work, and to as far as possible have a definite understanding with each other with regard to the regulations adopted at the Inter-Provincial Conference at Regina in December, 1909

On February 21st, I began a series of examinations throughout the district, in order to give engineers an opportunity to qualify for final and provisional certificates. These examinations were held at fifteen different points, and finished on March 26th. Again, in August and September, ten more examinations were held throughout the district. I also held examinations at Strathcona on the first Saturdays of April, May, July, August, October, November and December

During the year 79 candidates were examined for final certificates, and 69 for provisional certificates and renewals. Thirteen permits were issued in cases where qualified engineers were not available

As soon as the spring examinations were finished, I set out to cover the ground as far as possible north of Township 47, with instructions to follow the G.T.P. line to the provincial boundary. This district, east of Viking on the G.T.P., through to the boundary, and north to the C.N.R., had never been covered before, but during the last two years a great many new plowing and threshing outfits have found their way in, and are fairly evenly distributed throughout this district, necessitating an immense amount of cross-country driving to inspect them all

The district north of the Saskatchewan river I have practically left untouched, with the exception of probably six or seven outfits which I could reach within a reasonable distance

The section north of Edmonton to Athabasca Landing, and east to Moose Lake, I have been unable to reach since 1908

I find that boilers which are being shipped into the province this year, built according to the regulations, are giving the purchasers far better satisfaction than those of former years, and although the cost is somewhat higher, the people seem confident that they are now getting value for their money. In the past some manufacturers have been somewhat careless in checking up workmanship, before the machines leave the factory, but, realizing that this is detrimental to their business, they have, as a rule, when defects have been brought to their notice, signified their intention to give this matter closer attention in the future.

The following types of boilers were inspected: Locomotive, 146; horizontal tubular, 39; upright tubular, 17; return tubular, 13; furnace tubular, 4; incinerator, 1; total, 220. Good condition, 180; fair, 35; poor, 5.

Inspection certificates were issued for 207 boilers

There have been no accidents or casualties reported to me in this district during the year

There was one prosecution for illegal operation

I am, Sir,

Your obedient servant,

DAVID FRASER,
Inspector of Boilers

EDMONTON, January 2, 1911

JOHN STOCKS, ESQ.,
Deputy Minister of Public Works,
Edmonton, Alberta.

SIR,—I have the honour to submit my annual report as Inspector of Boilers for the year 1910

In January I was called from the Red Deer district, of which I was then in charge, to attend the annual conference of the inspectors at Edmonton. At this conference a great deal of useful and far-reaching work was accomplished, including the revision of the boiler regulations, the preparation of examination papers, and a large amount of routine work.

The revision of the boiler regulations involved a great deal of time and the most careful consideration. The first issue of the regulations in 1909 had been regarded by the manufacturers of boilers as filling a long-felt want, and a step in the right direction, but, as is always inevitably the case in initial ventures of this kind, there were a number of sections and clauses in the regulations which might have been more clearly worded, and which had consequently been differently construed by the various manufacturers. The inspectors set themselves the task of elucidating these obscure points, and of making the regulations intelligible beyond the question of dispute, if at all possible. This is believed to have been satisfactorily accomplished, and although a number of other points have subsequently arisen upon which manufacturers have requested light, these are all of such a minor character that they need hardly to be referred to. It may therefore be assumed that the regulations have now assumed somewhat of a permanent character, and that there will be no further need of revisions, except those of trifling importance.

The annual conferences of the inspectors have been found to be productive of much good and mutual benefit. During the course of a year's work in the field, in which a large number of different types and conditions of boilers are met with, the experience of an inspector is of such a varied character that the interchange of ideas resulting from those conditions is very helpful and beneficial and of the utmost value to all concerned.

After the conference above referred to, it was found that so many prints of boiler designs were being submitted to the department for approval and registration, under section 1 of the regulations, that it was absolutely necessary for one inspector to devote his whole time to this work alone. I was therefore called in from the Red Deer district in March for this purpose, and assumed the duties towards the end of that month.

It is impossible to give an idea, by means of statistics, of the amount of work involved in surveying drawings of the various designs that were submitted last year. The regulations being a new departure, the manufacturers being unaccustomed to the requirements, invariably submitted, at the start, drawings that did not comply with the regulations, and consequently the drawings had to be returned for revision, thus involving a large amount of correspondence. This state of affairs has now for the greater part been remedied, as the manufacturers have now become more familiar with the requirements, and are able to submit drawings that require very little revision.

About five hundred prints of drawings were surveyed during the year, and of these 260 were finally approved and registered by the department. It is the system to allot each approved design a regis-

tered record number, which allows each new boiler, when shipped into the province, to be readily recognized. After a particular design has been approved, a manufacturer may build any number of boilers to that design, without further registration of drawings, thus simplifying matters considerably. As each design is approved, a synopsis of the design giving particulars of the dimensions and ratings of the various parts of the boiler, is mailed to each inspector, so that an efficient check is maintained by the department upon all new boilers shipped into the province.

Should a deviation from the registered design be met with, or defective workmanship, it is the practice to immediately notify the manufacturer. In the case of defective workmanship, quite a number of manufacturers have especially thanked the department, as it has sometimes happened that a faulty boiler, by reason of incompetent employees, has passed through their workshops, and they are very glad of the official information which enables them to remedy this state of things.

A great deal of work has also been entailed by the preparation of official forms, containing details of boiler specifications, for the use of manufacturers when submitting designs for approval, and also of similar forms, containing in addition affidavit of construction, which are mailed by the manufacturer to each purchaser, for the use of the inspector in comparing the official specifications with the boiler.

As an indication of the amount of correspondence involved in this work, it may be mentioned that nearly two hundred telegrams and lettergrams were forwarded by the department to various manufacturers during the year.

That the manufacturers are fully alive to the commercial possibilities of Alberta is evidenced by the fact that a number of representatives of the leading firms have visited Edmonton during the year to confer with the department with regard to the regulations, and to obtain information at first hand with regard to the particular types of boilers best suited to the needs of the province. Among these firms may be mentioned the following:

Muskegon Boiler Works, Muskegon.
J. I. Case Threshing Machine Co., Racine, Wis.
Sawyer & Massey Co., Hamilton, Ont.
Babcock & Wilcox, Limited, Montreal.
Goldie & McCulloch, Ltd., Galt, Ont.
E. Leonard & Sons, London, Ont.
Rumely Company, La Porte, Ind.
Ashcroft Mfg. Co., Chicago, Ill.
American-Abell Co., Toronto.
Lunkenheimer Co., Cincinnati, Ohio
Jas. Morrison Brass Mfg. Co., Toronto
Canada Foundry Co., Toronto.
Aultman & Taylor Co., Mansfield, Ohio
Crane & Co., Chicago.
Crosby Steam Gauge & Valve Co., Chicago.

Some of the representatives of these firms were in Edmonton for three or four weeks, preparing drawings of boiler designs.

Designs of boiler fittings have also been surveyed during the past year. This work has been especially important, in view of the fact that previously the fittings placed upon boilers in Alberta had been of the most inefficient kind. This condition of things was largely the result of keen competition amongst the fittings manufacturers, efficiency being sacrificed for cheapness to such an extent that the fittings had become positively dangerous. By adopting a recognized

standard for these fittings, and by placing all manufacturers on the same level, it has been possible to eliminate the inefficient fittings altogether, without the cost price to the purchaser being materially increased, a consummation which is, indeed, of a very gratifying character

Taken altogether, the year 1910 has been a history-making one with regard to boiler inspection and construction in more senses than one, and it is felt that the important work which has been accomplished will bear fruit in the years to come, not only in raising the constructional standard of boilers and fittings, but also by reason of these improvements, in preventing those disastrous explosions which are so frequent in those countries and States where boiler inspection laws are all too lightly regarded

Appended is a list of manufacturers who have submitted designs to the department during the past year

F W HOBSON,

Inspector of Boilers.

MANUFACTURERS OF BOILERS

Canada.

Montreal Locomotive Works, Montreal
 American-Abell Co., Toronto
 Robt Bell Co., Seaforth, Ont.
 M. Beatty & Sons, Welland, Ont.
 Marsh & Henthorn, Ltd., Belleville, Ont.
 Berg Manufacturing Co., Toronto.
 Caledonian Ironworks, Montreal.
 Canada Foundry Co., Ltd., Toronto.
 Doty Engine Works, Goderich, Ont.
 Grand Trunk Pacific Railway Co., Winnipeg.
 Goldie & McCulloch, Ltd., Galt, Ont.
 Jenckes Machine Co., St Catharines, Ont.
 E. Leonard & Sons, London, Ont.
 Robb Engineering Co., Amherst, N.S.
 Sawyer & Massey Co., Hamilton, Ont.
 Vulcan Ironworks, Winnipeg.
 Waterous Co., Ltd., Brantford, Ont.
 Geo. White & Sons, Ltd., London, Ont.
 Waterloo Manufacturing Co., Waterloo, Ont.
 McPherson & Sons, New Glasgow, N.S.

England.

Babcock & Wilcox, Ltd., London, Eng Canadian Agency Montreal.
 John Fowler & Co., Leeds, Eng.

United States.

American Hoist & Derrick Co., St Paul, Minn
 Aultman & Taylor Co., Mansfield, Ohio.
 Avery Co., Peoria, Ill.
 Bucyrus Company, Milwaukee.
 Bigelow Company, New Haven, Conn.
 Best Man Co., San Leandro, Cal.
 J. I. Case Threshing Co., Racine, Wis.
 Frost Mfg. Co., Gainsboro, Pa.
 Frick Co., Waynesboro, Pa.
 Gaar, Scott Co., Richmond, Ind.
 J. Leffel & Co., Springfield, Ohio
 Marion Steam Shovel Co., Marion, Ohio.
 Muskegon Iron Works, Muskegon.
 Nichols & Shepard Co., Battle Creek, Mich
 Power & Mining Co., Cudahy, Wis.
 Reeves & Company, Columbus, Ind.
 Rumely Co., La Porte, Ind.

Schwab-Krueger Co., Milwaukee
Advance Thresher Co., Battle Creek, Mich

MANUFACTURERS OF BOILER ACCESSORIES.

United States.

American Steam Gauge & Valve Co., Chicago.
Ashton Valve Co., Boston.
Ashcroft Mfg Co., Chicago.
Crosby Steam Gauge & Valve Co., Boston
Crane & Co., Chicago.
Lunkenheimer Co., Cincinnati.
E. B. Kunkle Co., Fort Wayne, Ind.
J. E. Lonergan & Co., Philadelphia

Canada

Jenkins Bros., Montreal.
E. Leonard & Sons, London, Ont.
Fairbanks Valve Co., Winnipeg
McAvity & Sons, St. John, N.B.
Jas. Morrison Mfg Co., Toronto.
Penberthy Injector Co., Hamilton.

LETHBRIDGE, December 31, 1910

JNO. STOCKS, ESQ.,
Deputy Minister of Public Works,
Edmonton, Alta.

SIR.—I have the honour to submit to you my annual report for the year ending December 31st, 1910

The year's work began in Edmonton in January and February, when the inspectors met for the purpose of revising the regulations drawn up at the Inter-Provincial Conference at Regina in December, 1909. Under the regulations then formulated we have been working for the past twelve months, and the enforcement of such regulations has had considerable effect in raising the manufacturing standard of boilers sent into the province. There has been, in fact, a decided improvement all round in the boilers shipped into the province during the past few months, as a direct result of the regulations. Extra time has been spent in visiting these outfits, to see that the regulations have been adhered to.

Beginning on February 25th, I held consecutive examinations for engineers at thirteen different points in my district, ending up on April 25th at Medicine Hat. The fall examinations began in August, and eight examinations were held at suitable centres.

Beside the above examinations, opportunities have been afforded for engineers to be examined in Lethbridge on the first Saturday of each month. This has been a great convenience generally, although it is difficult at times to arrange boiler inspections so that I may be at Lethbridge on these dates. The results of these examinations are hereafter given in detail.

There is still a tremendous increase in the number of both stationary and ploughing outfits, and I am at a loss sometimes to know from which part of my district the calls for inspection are most urgent. It is absolutely impossible for one man to cover satisfactorily much more than one-third of the southern division.

I have inspected two hundred and fifty-one boilers this year, and of these only twelve per cent were inspected last year. There is still, therefore, eighty-eight per cent. of last year's work to be done. Besides these, I have not touched the following places: Parkland, Stavely, Claresholm, Granum, Carmangay, Cleverville, Iron Springs, Sundial, Brooks, and their outlying districts.

New stationary plants have been, or are being, installed in the following places:

Medicine Hat—Alberta Clay Products Co., City Electric Light Plant, Nurseries
 Red Cliffe—Brick Co., extension of plant, Red Cliffe Milling Co., Red Cliffe Mfg. Co.
 Grassy Lake—Brick Works, coal mine.
 Taber—Extension of plant at mine
 Lethbridge City—Complete new power plant, Lethbridge Brewery, extension of plant, Royal Collieries, extension of plant, new buildings with heating boilers, nurseries.
 Kipp—Lethbridge Collieries, Chinook Coal Co., Diamond Coal Co., extension of plant.
 Malceod—Steam laundry
 Mountain View—Saw mill
 Lundbreck—Extension of plant at coal mine
 Burmis—Coal mines, new plant, never had steam before.
 Passburg—Coal mines, large extension of plant
 Maple Leaf—Coal mines, extension of plant
 Bellevue—Coal mines, old plant replaced by a larger one
 Frank—Lame Co., Frank mines, large extension of plant
 Blainmore—New mine, new plant, saw mill, extension of plant.
 Coleman—New mine, new plant; saw mill, new plant
 McGillivray—Mine, extension of plant.

This list is merely confined to the district adjacent to the C P R, and no mention can be made of outlying districts, where the increase in traction outfits and well drilling apparatus is great.

Letters continue to pour in, principally from the States, or from settlers, prospective and actual, with regard to the regulations and their operation. Besides these, I have answered a large number of a mechanical and technical nature from the manufacturers of different outfits.

I have to report three accidents in connection with boilers and fittings, as follows:

1. The bursting of a stop valve at the end of a long steam pipe next engine, because water was not drained. One man was badly scalded, but not disfigured.

2. Blowing out of a check valve from barrel of locomotive boiler. Cause: Defective workmanship in attaching check valve to boiler. Owner scalded.

3. Collapse of crown sheet of firebox of locomotive type boiler. Cause: Defective workmanship. No one hurt.

Several cases of supposed illegal operation of plants were reported to me, but on investigation I found that the matters had either been rectified promptly or there was no foundation for the reports.

Number of boilers inspected and certificates issued, 234; boilers inspected and no certificates issued, 17; total, 251.

Condition of boilers inspected: Good, 165; fair, 61; moderate, 22; condemned, 3.

Twenty-eight permits were issued under Section 34 of the Act, to enable employers to keep the plants going until certificated men could be obtained.

The total number of candidates examined for engineers' certificates was 396, and 37 of these failed to pass for the class for which they sat, being awarded certificates of a lower grade.

Certificates were awarded as follows: Provisional certificates, 199; third class, 171; second class, 22; first class, 1; three certificates issued in lieu of other certificates; total, 251

I have the honour to be, Sir,

Your obedient servant,

NAT. MARSHALL,

Inspector of Boilers

RED DEER, January 6, 1911

JNO. STOCKS, Esq.,

Deputy Minister of Public Works,
Edmonton, Alta.

SIR,—I have the honour to submit to you the following report of the work done in this district under The Steam Boilers Act for the year 1910

I was appointed as inspector for the Red Deer district in February. I started out immediately to preside at the engineers' examinations which had then been advertised for this district, after which I began the work of inspection, returning to headquarters for the first Saturday in each and every month for the purpose of holding examinations. On May 2nd I went to Provost to hold examinations for engineers, according to your instructions. These were the first examinations ever held in Provost and the district, and there was great need of them due to the large number of plowing outfits which had been brought in during the previous year.

During the year I inspected most of the boilers which are north of the Red Deer River in townships 31 to 47 inclusive. There are still about 25 boilers in that territory which I had not been able to visit, the newly settled country east of Hardisty and Castor and south of Castor, into which numerous plowing outfits have been brought, making the district much larger than formerly. I have not been able to inspect that part of my district south of the Red Deer River.

The following statistics give the number and condition of the boilers inspected by me:

Total number of boilers visited, 267. Certificates were issued in respect of 232 of these, and five were condemned.

Condition of boilers inspected: Good, 186; very fair, 37; fair, 12; bad, 9.

The types of boilers inspected are enumerated as follows: Horizontal tubular, 41; internal furnace tubular, 5; return tubular, 10; locomotive firebox, 186; vertical tubular, 18.

Twenty-six advertised examinations for engineers were held in this district during the year, together with the monthly examinations held at headquarters. One advertised examination, that of Castor in February, was cancelled, on account of inability to make connections. The dividing of the third class certificate into two sections, one for traction and portable, and the other for stationary, has met with approval and has been a very successful change.

Eighty-six candidates were examined for final certificates, as follows: Traction and portable, 41; creamery, 4; third class, 6; second class, 1. Thirty candidates failed for the class for which they sat, and were given certificates of a lower grade. Four candidates also failed on account of insufficient experience.

One candidate failed by reason of insobriety, and was expelled from the examination room for the same reason

Number of provisional certificates issued, 119; renewals of provisional certificates, 4; examined and failed, 10; turned down for lack of experience, 27.

I have issued no permits under Section 34 of the Act.

During the year I laid information against seven different persons for illegal operation of boilers. Five of the above were for contravention of Section 27, and two for contravention of Section 35. I obtained convictions in five cases

No accidents have been reported to me during the year.

I have the honour to be, Sir,

Your obedient servant,

W. D. WATSON,

Inspector of Boilers

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>First Class</i>			
Archibald, Harry P	Lethbridge	*24	Aug 15, 1900
Altham, Geo. H.	Lethbridge	23	Apr 8, 1908
Aitken, Robert C	Edmonton	15	June 29, 1907
Alexander, Harry G	Edmonton	43	Apr. 13, 1907
Brisette, Narcisse	Morinville	*15	Mar. 28, 1899
Buxton, Jos	Calgary	*35	Aug. 29, 1901
Birkett, Holland G	Cardston	9	Sept 5, 1906
Briggs, Thos L	Calgary	10	Sept. 27, 1906
Birrell, Andrew D	Nanton	26	Aug. 28, 1908
Banks, Henry H	Macleod	31	Dec 14, 1908
Broughton, John Wm	Red Deer	34	Mar 17, 1909
Cross, Wm	Calgary	*2	Mar 28, 1899
Cooper, Watt	Canmore	6	Aug 11, 1906
Caldwell, Robt	Edmonton	*41	Oct. 16, 1903
Cross, Isaac E	Ponoka	*47	Oct 15, 1904
Cope, Cuthbert E	Edmonton	24	Apr. 22, 1908
Christie, Alex'r G	Exshaw	19	Jan. 20, 1908
Collard, Albert N	Moose Jaw	21	Mar 26, 1908
Davidson, James	Edmonton	38	Sept 13, 1909
Davey, Edward	Medicine Hat	44	Apr. 25, 1910
Evans, Dan	Edmonton	*12	Mar 28, 1899
Ewing, David	Strathcona	36	May 3, 1909
Edwards, Wm	Lethbridge	48	Nov. 7, 1910
Fraser, David	Strathcona	*20	Oct 9, 1899
Finch, Theo S	Raymond	5	Aug. 10, 1906
Gale, Ernest A	Calgary (dup)	29	Dec. 11, 1908
Goellnight, Leonard E	Hillcrest	40	Mar. 30, 1910
Gray, Adam S	Calgary	45	Apr 29, 1910
Hindmarsh, Wm	Calgary	41	Apr. 11, 1910
Hubbard, Sydney T	Edmonton	*46	Apr 18, 1904

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act — *Continued*

NAME	ADDRESS	NO OF CERT	DATE OF ISSUE
<i>First Class—Continued</i>			
Heist, Wm. E	Edmonton	*36	Dec 18, 1901
Hobson, Francis W	Stratheona	*50	Apr 1, 1905
Hill, John	Edmonton	25	June 25, 1908
Isaac, Wm	Calgary	14	June 20, 1907
Jackson, John A	Stratheona	*25	Oct 23, 1900
Jones, Herbert W	Bellevue	30	Dec 11, 1908
Kelly, John	Edmonton (no record)		Dec 3, 1905
Kearsley, Geo	Edmonton	8	Sept. 5 1906
Lunn, John T	Edmonton	*53	May 26, 1905
Moore, Geo	Frank	*55	July 21, 1905
Marshall, Jas Wm	Calgary	20	Jan. 20, 1908
Marshall, Nathaniel	Edmonton	32	Feb 7, 1909
McCall, Jas F	Calgary	7	Aug 11, 1906
McFee, Norman	Red Willow	*48	Nov 22, 1904
McClymont, Jas D	Edmonton	27	Sept 18, 1908
McNaughton, Peter	Edmonton	*21	Oct 9, 1899
McMillan, Hugh A	Edmonton	47	Oct 22, 1910
Niven, Robt	Lethbridge	*23	July 28, 1900
O'Donnell, John E	Edmonton	37	July 5, 1909
Oliver, Ernest H	Calgary	2	Apr 30, 1906
Ritchie, Wm Jas	Canmore	4	May 15, 1906
Rice, John H	Calgary	1	Apr. 30, 1906
Reid, Arthur	Lethbridge (dup)	39	Jan. 22, 1910
Scott, John	Lethbridge	*14	Mar. 28, 1899
Stapely, Tobias B	Edmonton	*45	Apr. 18, 1901
Shearer, Arthur	Hillcrest	16	Aug 28, 1907
Stafford, David G	Coleman	35	Mar 30, 1909
Scott, James	Lille	22	Apr 7, 1908
Scott, Robt	Calgary	42	Apr 11, 1910
Turgeon, Cleophas	Edmonton	*5	Mar 28, 1899
Taylor, Geo R	Stratheona	*11	Mar. 28, 1899
Turner, Ornelo H	Calgary	*34	July. 1901
Tanner, Harry P	Taber	18	Dec. 26, 1907
Todd, Wm	Edmonton	33	Mar. 4, 1909
Verdon, Jos B	Calgary	49	Nov 13, 1910
Watson, Wm. D	Bankhead	3	May 15, 1906
Watson, John T	Calgary	13	June 7, 1907
White, E Lionel	Calgary	12	Apr 6, 1907
Watson, Jas S	Bankhead	46	Sept 23, 1910
<i>Second Class</i>			
Anderson, C J B	Calgary	*109	Feb 7, 1901
Angus, Robt	Angus Ridge	*160	Oct. 2, 1901
Alderson, Robt	Coleman	126	Apr 22, 1908
Adair, Fred D	Edmonton	30	May 10, 1906
Allworth, E. Mortimer	Okotoks	81	June 19, 1907
Anderson, Andrew	Calgary	208	Aug 15, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act —*Continued.*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Second Class—Continued</i>			
Aitken, David	Lethbridge	212	Sept. 12, 1910
Brisette, Louis	Morinville	193	Apr. 13, 1910
Bradden, Wm T	Strathcona	194	Apr. 13, 1910
Biamont, Antonio	Edmonton	195	Apr. 13, 1910
Brice, Henry B	Calgary	207	Aug. 8, 1910
Bawtinheimer, Geo H	Red Deer	*7	Sept. 4, 1899
Biery, Chas	Strathcona	*32	Mar. 9, 1900
Blatchford, K A	Edmonton	*88	Oct. 23, 1900
Blain, J. W	Strathcona	*106	Dec. 31, 1900
Bannerman, Jas. A	Red Deer	*162	Dec. 18, 1901
Brownlow, Hy A	Lacombe	*163	Dec. 23, 1902
Brewster, W A	Edmonton	*195	May 13, 1903
Bowden, H. S	Strathcona	*198	May 13, 1903
Ballantyne, Robt	Calgary	*229	Mar. 14, 1904
Barnhouse, Wm	Edmonton	*244	May 26, 1904
Burkholder, Hy J	Strathcona	*267	Oct. 15, 1904
Beamish, Crandell	Didsbury	118	Apr. 22, 1908
Bentley, Emerson D	Medicine Hat	17	Apr. 11, 1906
Burger, M. E	Strathcona	2	Sept. 18, 1905
Baird, Jas B	Red Deer	116	Apr. 14, 1908
Bryson, Wm J	Medicine Hat	178	Dec. 4, 1909
Brodie, Hugh W	Wetaskiwin	21	Apr. 20, 1906
Blair, Wm	Lille	25	Apr. 30, 1906
Berry, Stephen	Faber	127	Apr. 22, 1908
Brill, Geo	Red Deer	161	Aug. 24, 1909
Brown, David	Calgary	75	May 4, 1907
Bruce, Geo	Lethbridge	114	Apr. 8, 1908
Bagley, Wm. S	Edmonton	156	June 18, 1909
Broadwell, Amos	Pincher Creek	170	Sept. 24, 1909
Bailey, Douglas A	Calgary	173	Oct. 22, 1909
Cope, Edmond G M	Lethbridge	*1	June 30, 1899
Clark, W Harold	Edmonton	*15	Oct. 9, 1899
Conn, David	Lethbridge (dup)	181	Jan. 19, 1910
Chalmers, Walter N	Edmonton	*51	May 28, 1903
Cullen, Jas E	Calgary	*115	Feb. 20, 1901
Converse, Stephen J	Ponoka	*192	Mar. 6, 1903
Clifford, Robt A	Strathcona	*197	May 13, 1903
Chapman, A B	Red Deer	*239	Apr. 18, 1904
Carruthers, J A	Calgary	35	May 14, 1906
Callery, Fredk	Calgary (dup)	150	Nov. 10, 1908
Coggan, Frank D	Calgary	72	June 3, 1907
Cousins, Arthur	Calgary	24	Apr. 30, 1906
Crawford, Samuel L	Strathcona	52	Oct. 25, 1906
Card, Caleb A	Red Deer	53	Nov. 2, 1906
Currie, Jas J	Calgary	110	Mar. 23, 1908
Cadwell, Theophilus	Calgary	105	Jan. 20, 1908
Cranston, Adam	Calgary	55	Jan. 22, 1907
Clinton, Otto M	Edmonton	79	June 14, 1907
Collins, Fred. M	Frank	88	July 16, 1907
Campbell, Mal L	Earlsville	96	Oct. 28, 1907
Cowall, Cedric A	Red Deer	100	Dec. 5, 1907
Calder, Hector J	Calgary	112	Mar. 23, 1908
Carr, Alve B	Edmonton (dup)	203	June 2, 1910
Cutting, Chas	Vermilion	130	May 7, 1908
Cunningham, Wm J	Calgary	168	Sept. 21, 1909
Collard, Geo Lewis	Medicine Hat	152	Jan. 18, 1909
Croft, Wm	Strathcona	174	Oct. 27, 1909

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act —*Continued.*

NAME	ADDRESS	NO OF CERT	DATE OF ISSUE
<i>Second Class—Continued</i>			
Carpenter, Wilfred	Frank	188	Mar 25, 1910
Cruikshanks, Geo	Lethbridge	185	Mar 15, 1910
Dozey, Chas	Frank	218	Sept 16, 1910
Duncombe, Walter	Taber	217	Sept. 16, 1910
Defieux, Chas A	Edmonton	216	Sept 16, 1910
Donaldson, Maxwell	Lethbridge (dup)	182	Jan. 19, 1910
Doughty, Jas	Calgary	*143	July 25, 1901
Dresser, Bertram W	Wetaskiwin	*261	Oct. 15, 1904
Drader, John A	Pincher Creek	*290	Dec 30, 1904
Dean, David	Calgary	*298	Mar 16, 1905
Drees, Max. L	Edmonton (dup)	*269	Nov 30, 1905
Danner, Clifford	Lacombe	22	Apr 25, 1906
Duncan, Andrew, sr	Edmonton	129	May 7, 1908
Dick, Wm	High River	57	Jan 14, 1907
Duncan, Andrew, Jr	Edmonton	139	Sept. 18, 1908
Dunbar, Hy C	Edmonton	123	Apr 22, 1908
Donaldson, Samuel	Lethbridge	164	Sept 15, 1909
Dodd, Jas	Edmonton	157	July 5, 1909
Daley, Wm	Strathcona	163	Aug 27, 1909
Evans, Hy W	Anthracite	*28	Feb. 13, 1900
Emery, Ray C	Strathcona	*264	Oct 15, 1904
Evans, Wm	Frank	7	Sept 18, 1905
Eby, Josiah S	Didsbury	95	Oct. 24, 1907
Evans, Geo. A.	Raymond	209	Aug 30, 1910
Frieman, Manfred	Lethbridge	*171	Aug 18, 1902
Finch, Robt H	Calgary	*184	Oct. 10, 1902
Fraser, Wm	Strathcona	*265	Oct 18, 1904
Frame, Jas F	Lethbridge	*219	Oct. 6, 1903
Fraser, Chas	Okotoks	*300	Mar. 16, 1905
Fidler, J. J	Calgary (dup)	135	Aug. 6, 1908
Fleetwood, Howard A	Edmonton	*262	Oct 15, 1904
Fisk, James Geo	Fort Saskatchewan	*307	Apr 14, 1905
Faulkner, Jos W	Lundbreck	42	Aug 11, 1906
Flan, Jas Robt	Calgary	85	July 16, 1907
Foote, Wm	Pincher Creek	87	July 16, 1907
Foster, John Thos	Calgary	97	Nov 14, 1907
Grieve, David	Calgary	*111	Feb 7, 1901
Griffiths, W. H	Anthracite	31	May 14, 1906
Garneau, Alexr	Strathcona	*266	Oct. 15, 1904
Grieve, Wm	Calgary	*276	Oct. 28, 1904
Gibbs, Morley C	Calgary	*297	Mar 16, 1905
Ginter, Wm C	Edmonton	18	Apr. 11, 1906
Garner, Anthony	Bankhead	33	May 14, 1906
Godson, Wm	Bankhead	83	June 26, 1907
Good, Wm	Calgary	134	Aug 6, 1908
Hennegar, Ed. J	Edmonton	*19	Oct 2, 1899
Hanes, Alfred H	Edmonton	*33	May 7, 1900
Hillis, Hy	Medicine Hat	*42	May 23, 1900
Hicklik, John W	Calgary	*79	Sept 29, 1900
Hiscoe, Thos S	Lethbridge	*85	Sept 29, 1900
Howell, Edward	Battleford	*137	May 30, 1901
Hillis, Thos	Lethbridge	*172	Aug 18, 1902
Henneg, Michael	Calgary	*183	Oct 10, 1902
Heatley, Wm	Beaumont	*274	Oct. 4, 1904
Henry, Chas	Strathcona	*234	Apr. 18, 1904

*Indicates Certificate was granted by North-West Territories

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act —Continued.

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Second Class—Continued</i>			
Hutchings, H E	Edmonton	*306	Mar. 31, 1905
Hackey, Thos H	Evarts	117	Apr. 14, 1908
Harper, Wm H	Lloydminster	10	Nov. 16, 1905
Heacock, Jas H	Calgary	71	June 3, 1907
Hay, Geo Porter	Pincher Creek	44	Aug. 11, 1906
Howe, Wm Ed	Sunny Slope	49	Sept. 8, 1906
Hendry, Wm. A	Edmonton	64	May 15, 1906
Harris, Samuel D	Red Deer	62	May 7, 1907
Harris, V H	Red Deer	63	May 7, 1907
Hocklin, John	Edmonton	91	Oct. 15, 1907
Hargeaves, Thos. J	Hillcrest	154	Apr. 25, 1909
Hill, John	Strathcona	131	May 18, 1908
Hill, Marshall	Macleod	189	Mar. 21, 1910
Henry, Walter F	Ponoka	224	Nov. 15, 1910
Hilton, Wm H	Taber	213	Sept. 12, 1910
Howard, Ernest E	Conjuring Creek	201	June 1, 1910
Horn, James	Lethbridge	187	Mar. 15, 1910
Hodges, Elmer S	Medicine Hat	198	Apr. 25, 1910
Holford, Jos C	Lac Ste. Anne	206	July 29, 1910
Higgins, Alexr	Lethbridge	211	Sept. 1, 1910
Irwin, Lester J	Strathcona	*270	Oct. 15, 1904
Irving, Albert E	Calgary	56	Jan. 22, 1907
Irvine, Alexr	Calgary	165	Sept. 15, 1909
Judd, David H	Calgary	*161	Oct. 5, 1901
Jarratt, Edward	Strathcona	*263	Oct. 15, 1903
Jackson, James O	Inga	60	Apr. 8, 1907
Kerr, Wm	Lethbridge (dup)	183	Jan. 19, 1910
Kidd, Fredk	Calgary	*62	June 14, 1900
Kowalezyck, Antoine	St Paul de Metis	*114	Feb. 16, 1900
Kadlec, J J	Wetaskiwin	*236	Apr. 18, 1904
Killam, Robt C	Red Deer	65	May 20, 1907
Keith, Edward C	Lille	226	Dec. 8, 1910
Livingstone, Jas C	Lethbridge	214	Sept. 12, 1910
Lang, Jas	Okotoks	*301	Mar. 17, 1905
Lacey, Wm R	Calgary	*182	Oct. 10, 1902
Lamb, Herb David	Frank	41	Aug. 11, 1906
LeBreton, Gustav A	Edmonton	*308	Apr. 14, 1905
Long, John	Okotoks	45	Oct. 11, 1906
Laut, John R	Crossfield	153	Apr. 6, 1909
LaVoi, Frank P	Calgary	111	Mar. 23, 1908
Lavelle, Patrick	Exshaw	149	Oct. 30, 1908
Lewis, John H	Lethbridge	166	Sept. 15, 1909
Moran, Austin	Lethbridge	*36	Mar. 23, 1900
Marshall, Fred. Jos	Kamloops, B C	*203	Aug. 14, 1903
Morrison, John C	Gleichen	*214	Sept. 24, 1903
Mortimer, Samuel M	Strathcona	*241	May 26, 1904
Murray, Robinson	Calgary	104	Jan. 20, 1908
Merres, Horace	Red Deer	93	Oct. 22, 1907
Mjolness, John A	Medicine Hat	16	Apr. 11, 1906
Mauland, Jack	Bankhead	99	Dec. 5, 1907
Morrison, Kenneth	Coleman	20	Apr. 19, 1906
Mair, Robt. B	Strathcona	37	Aug. 8, 1906
Morgan, Thos M	High River	38	Aug. 7, 1906
Moore, Wm A	Red Deer	137	Aug. 13, 1908
Mueller, Karl F	Lethbridge	147	Oct. 6, 1908

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act—*Continued.*

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Second Class—Continued</i>			
McKay, Daniel . .	Lethbridge	*4	June 30, 1899
McGee, Thos	White Fish Lake (dup)	113	Mar. 28, 1908
McConnell, Wm. J	Lethbridge	*	Oct 8, 1903
McIntyre, John	Calgary (dup)	48	Aug 16, 1906
McKim, Nelson	Edmonton	14	Mar. 26, 1906
McClaffin, W. G	Ponoka	*237	Apr. 18, 1904
McCardia, Samuel	Edmonton	78	June 14, 1907
McLean, Fredk. A	Edmonton	*305	Mar 31, 1905
McNeilly, S	Okotoks	107	Mar 23, 1908
McDonald, Simon	Frank	15	Mar. 28, 1906
McDonald, E. R	Edmonton	120	Apr. 22, 1908
MacDonald, Alex	Edmonton	119	Apr. 22, 1908
McDonald, John D	Hillcrest	61	Apr. 18, 1907
McNeil, Nell S	Calgary	68	May 23, 1909
McKinnon, Alex J .	Lille	82	June 20, 1907
McIntyre, Jos	Taber	84	July 8, 1907
McGregor, John	Hillcrest	90	Sept 26, 1907
McNichol, John	Exshaw	103	Jan. 3, 1908
McFadyen, John C	Edmonton	124	Apr. 22, 1908
McIndoe, Wm	Calgary	136	Aug 6, 1908
McDonald, John	Lille	172	Oct. 5, 1909
McNair, Arod N	Lethbridge	175	Nov 13, 1909
McGillivray, Colin	Lille	176	Nov. 13, 1909
McIvor, Wm. K	Edmonton	196	Apr. 13, 1910
McAffer, Ronald	Medicine Hat	221	Sept 24, 1910
Nimmons, Robt	Lethbridge	*38	Mar. 23, 1900
Nicholson, Robt John . .	Edmonton	67	Mar. 20, 1907
Oxley, John	Taber	6	Sept. 18, 1905
Parcels, Timothy E	Red Deer	*6	Sept 4, 1899
Payzant, Ernest M	Edmonton	*12	Oct. 9, 1899
Pratt, Geo	Edmonton	*16	Oct 9, 1899
Pearce, Abra	Edmonton	*52	May 28, 1900
Pugh, John	Calgary	28	Apr 30, 1906
Powers, Thos E	Stratheona	*246	May 26, 1904
Potter, Martin	Evarts	51	Oct 5, 1906
Punnett, Lewis L	Chesterwold	50	Oct 4, 1906
Pallot, Herbt J	Edmonton	144	Sept 28, 1908
Payzant, H. C	Edmonton	121	Apr. 22, 1908
Price, John	Edmonton	54	Dec. 19, 1906
Patterson, John M	Okotoks	108	Mar. 23, 1908
Prince, John E	Calgary	76	June 4, 1907
Purvis, John	Calgary	106	Feb 15, 1908
Poole, Fred P	Stratheona	132	July 9, 1908
Pollock, Daniel R	Calgary	151	Dec. 2, 1908
Pearson, Augustus	Bellevue	210	Sept. 7, 1910
Potter, John	Calgary	184	Mar. 7, 1910
Pitts, Wm. S	Edmonton	180	Jan 10, 1910
Pallot, Harold E	Edmonton	191	Apr. 6, 1910
Payne, Geo	Lethbridge	223	Oct 20, 1910
Petrie, Robt. F	Elcan	219	Sept. 16, 1910
Reed, R W	Lethbridge	*5	June 30, 1899
Richards, Hy John	Canmore	*30	Feb 13, 1900
Rankin, Thos. Hy	Banff	*77	Sept. 29, 1900
Roberts, Wm. B	Fort Saskatchewan	*235	May 18, 1904
Ramsay, Jas. Hy	Evarts	66	May 20, 1907
Ritchie, Wm. A	Calgary	141	Sept. 22, 1908

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Second Class—Continued</i>			
Rich, John H	Calgary	69	June 3, 1907
Reiton, Ole	Lethbridge	115	Apr. 8, 1908
Riddell, Arthur	Calgary	140	Sept. 22, 1908
Rice, Robt	Calgary	221	Oct. 11, 1910
Richardson, Thos	Calgary	220	Sept. 23, 1910
Ray, Arthur R	Edmonton	199	May 11, 1910
Schatz, Wm. H	Strathcona	*17	Oct. 9, 1899
Shaw, M W S	Midnapore	*27	Dec. 1, 1899
Stafford, Geo	Lethbridge	*39	Mar. 23, 1900
	(dup.)	160	Aug. 20, 1909
Steven, Hutton	Calgary	*43	Apr. 17, 1900
Stagg, Geo	Calgary	*112	Feb. 7, 1901
Steven, Alfred E	Calgary	*113	Feb. 7, 1901
Shelley, Henry Jas	Calgary	*116	Mar. 12, 1901
Sloan, Wm	Lethbridge	*169	July 30, 1902
Siemens, Peter	Anthracite	34	May 14, 1906
Stewart, John A	Red Deer	12	Jan. 2, 1906
Strom, Theodore	Calgary	77	June 4, 1907
Shannon, Jas	Calgary	*223	Nov. 6, 1903
Shackleton, Thos. A	Kamloops	*224	Nov. 14, 1903
Starkey, Geo. J	Ponoka	*262	Oct. 15, 1904
	(dup.)	9	Nov. 2, 1905
Stokes, Robt D	Strathcona	19	Apr. 11, 1906
Stacey, Fredk. H	Edmonton	1	Sept. 18, 1905
Shore, John P	Edmonton	3	Sept. 18, 1905
Slingsby, Sidnev	Calgary	74	June 3, 1907
Stanley, Chas H	Bankhead	32	May 14, 1906
Sefton, Fredk	Lethbridge	39	Aug. 10, 1906
Stanley, Benj F	Calgary	47	Aug. 14, 1906
Syer, Thos. M	Red Deer	94	Oct. 22, 1907
Stockdale, Thos D	Lethbridge	133	July 31, 1908
Simpson, Wm	Coleman	167	Sept 18, 1909
Sparber, Chas H	Lethbridge	177	Nov. 24, 1909
Searle, Wm	Coal City	179	Dec. 4, 1909
Simondson, Hy	Northern	197	Apr. 13, 1910
Smith, Fredk	Coleman	215	Sept 12, 1910
Schaumleffel, Clifford C	Lloydminster	192	Apr. 6, 1910
Steven, John C S	Edmonton	204	June 22, 1910
Smith, Wm J	Milk River	225	Nov. 17, 1910
Tabacchi, Stephen	Lethbridge	186	Mar 15, 1910
Toreson, Thos	Wetaskiwin	*31	Mar. 7, 1900
Thompkins, Peter	White Fish Lake	*98	Nov 27, 1900
Tasker, Henry A	Nanton	109	Mar. 3, 1908
	(dup)	148	Oct. 15, 1908
Taddrew, Henry P	Edmonton	29	May 10, 1906
Turner, Duncan	Edmonton	98	Nov 26, 1907
Thorley, James	Taber	101	Dec. 26, 1907
Turner, Stephen F	Taber	102	Dec. 26, 1907
Terry, Frank A	Strathcona	171	Dec 29, 1909
Taylor, Percy E	Taber	145	Oct. 6, 1908
Thompson, James	Innisfail	162	Aug. 24, 1909
Von Wendel, Carl	Calgary	*222	Nov 6, 1903
Van Haast, Julius H	Strathcona	*278	Nov. 5, 1904
Voss, Edwin E	Fort Saskatchewan.	128	May 7, 1908
Vincent, Robt G	Blairmore	155	May 26, 1909
Varden, Anthony L	Edmonton	158	July 5, 1909

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued*

NAME	ADDRESS	NO OF CERT	DATE OF ISSUE
<i>Second Class—Continued</i>			
Walker, J. B	Lethbridge	*3	June 30, 1899
Watson, Ernest P	Strathcona	*18	Oct. 9, 1899
White, Jas	Canmore	*73	Sept. 5, 1900
Websdale, Francis	Edmonton	*139	June 21, 1901
Waldock, John G	Medicine Hat	*170	Aug 18, 1902
Waddell, O. S	Edmonton	*245	May 26, 1904
Wright, Geo. W	Calgary	73	June 3, 1907
Wilcox, Jas E	Coleman	125	Apr. 22, 1908
Walburton, John	Spring Point	8	Sept 18, 1905
Williams, John	Edmonton	23	Apr 30, 1906
Wilson, R. J	High River	80	June 19, 1907
Webb, Jas. F	Exshaw	143	Sept. 22, 1908
Walker, Thos	Coleman	46	Aug 14, 1906
Wilkinson, Robt	Calgary	142	Sept. 22, 1908
Walker, Rolf A	Edmonton (dup)	205	July 16, 1910
Wulff, Nick	Edmonton	202	June 1, 1910
Warr, Percy J. H	Lethbridge	227	Dec 8, 1910
Young, Geo	Lille	43	Aug 11, 1906
Zurlinder, John	Calgary	138	Sept 14, 1908
<i>Third Class</i>			
Albertson, Andrew O	Strathcona	*135	June 25, 1901
Aikman, Geo	Calgary	*274	Sept. 11, 1902
Allan, Albert	Edmonton	*360	May 3, 1903
Allan, Arthur	Edmonton	*526	Apr 18, 1904
Ashcroft, Joseph	Lethbridge	*673	Nov 24, 1904
Akey, Chas. S	Iowalta	*759	Mar 24, 1905
Archibald, Chester H	Wetaskiwin	*786	Mar. 27, 1905
Ambler, David	Wetaskiwin	*790	Mar 27, 1905
Anderson, Andrew Wm	Wetaskiwin	*794	Mar 27, 1905
Adair, James E	Edmonton	135	May 10, 1906
	(dup)	263	Apr 18, 1907
Agar, Chas	Edmonton	143	May 29, 1906
Adshead, Herb B	Olds	149	May 31, 1906
Anderson, John J	Stavely	192	Aug 13, 1906
Alexander, J. A	Livingstone	203	Aug 13, 1906
Abraham, W. R	Lacombe	242	Sept 28, 1906
Adams, David C	Edmonton	207	Sept 8, 1906
Auld, John	Edmonton	266	Apr 30, 1907
Anderson, G A	Bowden	318	May 29, 1907
Anderson, Jas. J	Crossfield	324	May 29, 1907
Anstett, Frank A	Langdon	337	June 4, 1907
Andrews, W. H.	Stewartwyn	364	June 7, 1907
Adams, Chas. W	Lacombe	367	June 7, 1907
Antrobus, Wm	Edmonton	386	June 14, 1907
Anderson, Henry	Rosenroll	393	June 14, 1907
Anderson, Wm	Killam	399	June 14, 1907
Anderson, Ed A	Heatherbrae	402	June 14, 1907
Ambler Geo D	Wetaskiwin	411	June 14, 1907
Allan, Harrold	Calgary	563	Jan 30, 1908
Amdhal, Theo J	Seven Persons	662	Apr 27, 1908
Archibald, Syl C	Ferry Bank	691	May 5, 1908
Alveberry, Fred S	Wetaskiwin	699	May 7, 1908
Atterbury, Chas J	Edmonton	773	Sept. 18, 1908
Asper, A	Merna	782	Sept 18, 1908
Ashcroft, John	Lethbridge	844	Oct. 6, 1908
Anderson, Aitken McK	Calgary	881	Mar. 19, 1909

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Third Class—Continued</i>			
Adring, Tom	Lethbridge	898	Mar 24, 1909
Atkins, Ralph P	New Dayton	899	Mar 24, 1909
Aveldson, August	Sunny Slope	906	Mar. 26, 1909
Annable, Belton A	Claresholm	965	Apr 16, 1909
Anderson, Edward	Sterling	988	Apr 20, 1909
Aldridge, Oliver	Cardston	1005	Apr 25, 1909
Arrison, Norman W	Gleichen	1016	Apr 28, 1909
Arrison, Orrin S	Gleichen	1017	Apr. 28, 1909
Anderson, Orlie H	Sterling	1109	Sept 15, 1909
Adams, Daniel P	Lacombe	1173	Oct. 13, 1909
Ashburner, Edward	Lethbridge	1214	Mar 15, 1910
Alspach, Wm L	Stavely	1273	Mar 29, 1910
Anderson, Axel	Granum	1280	Mar 30, 1910
Anderson, John H	Round Hill	1283	Apr. 1, 1910
Atkins, C C L	New Dayton	1356	Apr 14, 1910
Anderson, Geo H	Barnwell	1367	Apr. 15, 1910
Aaring, Ben	Burdett	1377	Apr 19, 1910
Allen, Ewart G	Medicine Hat	1389	Apr 25, 1910
Ansley, Harvey R B	Medicine Hat	1390	Apr 25, 1910
Allen, Richard	Lethbridge	1421	June 11, 1910
Aitken, Jas	Lethbridge	1475	Sept 1, 1910
Allan, Robt	Calgary	1519	Sept 23, 1910
Alger, Geo V	Medicine Hat	1532	Sept 24, 1910
Ameson, Sigurd A	Eagle Hill	1550	Oct 1, 1910
Blatchford, Peter	Edmonton	*37	Nov 28, 1899
Bawtinheimer, H E	Red Deer	*185	Dec 18, 1901
Billo, Jos	Edmonton	*193	Dec. 18, 1901
Bernier, Alexis	Lamoureux	*205	Dec. 18, 1901
Berlinguette, Alfred	Whitford	*255	Aug 18, 1902
Burwell, Arthur P	Edmonton	*354	Apr 24, 1903
Berg, John	Fort Saskatchewan	*356	May 13, 1903
Bolduc, Jos	Beaumont	*362	May 13, 1903
Bowers, Richard J	Strathcona	*364	May 13, 1903
Briggs, M R	Red Deer	*371	May 13, 1903
Bricker, Menno C	Okotoks	*471	Nov. 6, 1903
Brown, Robert S	Lamoureux	*480	Jan. 15, 1904
Burbank, Lyle A	Calgary	*483	Feb. 10, 1904
Billow, Adolph	Canmore	*486	Mar. 14, 1904
Bailey, R B	Edmonton	*527	Apr 18, 1904
Brenton, J. R	Edmonton	*544	Apr. 18, 1904
Bolduc, Peter	Beaumont	*638	Oct 15, 1904
Bevington, Geo. E	Strathcona	*642	Oct 15, 1904
Browne, Thos J	Medicine Hat (dup)	*83	Apr 9, 1906
Brown, John, Jr	Innisfail	*757	Mar 24, 1905
Bruce, Chas. R	Lacombe	*761	Mar 24, 1905
Blewett, Wm G	Mewassin	*818	Apr 14, 1905
Bauchin, Theophile	Legal	*214	Aug. 14, 1906
Brunelle, John	Beaumont	*821	Apr 14, 1906
Brodie, Wm A	Ponoka	*848	May 30, 1905
Blanchette, Peter	Fort Saskatchewan	*52	Sept. 28, 1905
	(dup)	257	Dec 28, 1906
Bradbeer, Edwd	Lethbridge	14	Sept. 16, 1905
Bilson, Wm Jas	Lethbridge	16	Sept. 16, 1905
Baker, Chas L	East Clover Bar	27	Sept. 16, 1905
Bittner, Anton	Ponoka	56	Nov. 11, 1905
Bell, Harry	Daugh	71	Mar 16, 1906
Baker, Thos	Calgary	72	Mar 19, 1906
Boote, Edwd	Pine Lake	107	Apr. 24, 1906

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Thrd Class—Continued</i>			
Bodman, John A	Calgary	115	Apr. 30, 1906
	(dup)	885	Mar. 18, 1909
Bartlett, Percy R	Edmonton	142	May 29, 1906
Burns, David	Grassy Lake	170	Aug. 11, 1906
Baden, Wm F	High River	196	Aug. 13, 1906
Benz, August J	Mundare	216	Sept. 13, 1906
Bates, Minor	Strathcona	225	Sept. 20, 1906
Brown, A J	Wavy Lake	232	Sept. 21, 1906
Bucher, L. W	Wetaskiwin	273	May 15, 1907
Berg, John P	Wetaskiwin	280	May 15, 1907
Barr, Ralph	Edmonton	286	May 15, 1907
Beggs, John	Innisfail	295	May 20, 1907
Buckton, Henry J	Olds	302	May 23, 1907
Bugton, Ole G	Harmattan	304	May 23, 1907
Bergen, Jacob	Didsbury	319	May 29, 1907
Bush, Frank C	Didsbury	323	May 29, 1907
Barker, Wm L	Calgary	343	June 4, 1907
Brotherston, Robt. A.	Calgary	345	June 4, 1907
Barnes, Wm. J	Calgary	346	June 4, 1907
Brown, Wilfred B	Calgary	359	June 4, 1907
Bush, Henry	Blackfalds	366	June 7, 1907
Brereton, Thos A	Valley City	376	June 7, 1907
Brown, Wm H	Edmonton	385	June 14, 1907
Berry, Robt G	Fort Saskatchewan	392	June 14, 1907
Bradbury, Arthur T	Edberg	398	June 14, 1907
Batke, Albert L	Ferry Point	417	June 14, 1907
Bucker, Walter L	Mossleigh	424	June 19, 1907
Brower, Archd. B	Pincher Creek	928	Apr 1, 1909
Black, Robt	Strathcona	479	July 24, 1907
Boomer, Marshall	Blackfalds	481	July 27, 1907
Bowman, Albert	Strathcona	485	Aug 28, 1907
Brickman, Jos. T	Pembina	495	Oct. 15, 1907
Bell, Wm G	Red Deer	515	Oct. 22, 1907
Bergen, Henry	Didsbury	527	Oct. 24, 1907
Burchnall, Frank N	Bluff Centre	543	Oct. 28, 1907
Bawslaugh, John J	Calgary	559	Jan 20, 1908
Burwell, Wm	Gladys	569	Mar. 23, 1908
Blair, Geo. R	Claresholm	570	Mar 23, 1908
Base, John L	Reid Hill	572	Mar 23, 1908
Bell, Wm. F	High River	573	Mar. 23, 1908
Blackorby, W G	Claresholm	575	Mar 23, 1908
Bowerman, Cliff	Cowley	599	Apr 8, 1908
Banfield, J Frank	Lethbridge	626	Apr. 9, 1908
Bryant, Percy B	Lethbridge	627	Apr 9, 1908
Baron, Harry	Diamond City	628	Apr 9, 1908
Brown, John	Evarts	635	Apr 14, 1908
Beckett, Waitland J	Red Deer	636	Apr. 14, 1908
Brubaker, Albert J	Medicine Hat	663	Apr. 27, 1908
	(dup)	1376	Apr. 18, 1910
Burke, Benj S	Lacombe	693	May 6, 1908
Bader, Benj. H	Lethbridge	704	May 14, 1908
Bateman, Ewart W	Lethbridge	744	Aug 6, 1908
Baxter, John	Red Deer	751	Sept. 3, 1908
Blacklock, Robt O	Westward Ho	754	Sept 8, 1908
Butts, John H	Olds	755	Sept. 8, 1908
Brooke, Fredk C	Olds	759	Sept 11, 1908
Ball, Arthur	Mayville	767	Sept 14, 1908
Burns, Wm	Higgins	768	Sept. 14, 1908
Bowick, Chas C	Tofield	810	Sept 28, 1908
Bowick, John D	Tofield	811	Sept 28, 1908

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Third Class—Continued.</i>			
Brown, John	Kitscoty	812	Sept 28, 1908
Brainard, Jerome W	Nanton	824	Oct. 2, 1908
Bowler, Thos. H	Macleod	845	Oct. 6, 1908
Benjamin, Albert	Mornville	862	Oct. 20, 1908
Bucknam, Arthliff V	Bucknam	869	Nov 23, 1908
Brenton, Chas J	Edmonton	871	Dec 23, 1908
Bannerman, Wm	Red Deer	*189	Dec. 18, 1901
Boomer, Alonzo	Lacombe	57	Nov 22, 1905
Bartholomew, Claude D	Mornville	886	Mar. 13, 1909
Barley, Chas	Mountain House	887	Mar 20, 1909
Blatchford, Arthur L	Olds	907	Mar 26, 1909
Bratz, Emil	Pincher Creek	1585	Nov 17, 1910
Bessey, Alfred	Stettler	961	Apr 13, 1909
Bell, David J	High River	966	Apr 16, 1909
Bailey, Geo	Magrath	994	Apr 22, 1909
Burton, Edgar W	Calgary	1004	Apr 23, 1909
Bell, Andrew J	Shepard	1018	Apr 28, 1909
Brantz, Albert A	Mewassin	1036	Apr 28, 1909
Baumbach, John	Irvine	1046	May 1, 1909
Bishop, Frank E	Medicine Hat	1047	May 1, 1909
Barnes, Edward	Edmonton	1061	May 21, 1909
Brown, Geo. C	Edmonton	1077	May 26, 1909
Bakken, Nels O	Iron Springs	1078	May 28, 1909
Benson, Roy	Calgary	1080	June 8, 1909
Buchanan, Wm. E	Nanton	1476	Sept. 1, 1910
Baker, Bernard S	Nanton	1115	Sept. 21, 1909
Burr, John C	Calgary	1116	Sept. 21, 1909
Betton, Thos. W	High River	1140	Sept. 21, 1909
Boyle, Jas. E	Blairmore	1142	Sept 24, 1909
Bercyz, Julius	Edmonton	1144	Sept 24, 1909
Benson, Geo	Taber	1151	Sept. 28, 1909
Bjor, Frank	Calmar	1158	Sept. 29, 1909
Black, Andrew	Edmonton	1171	Oct. 9, 1909
Bradley, Harold R	Wetaskiwin	1176	Nov. 5, 1909
Barley, Jack E	Edmonton	1181	Nov. 16, 1909
Burness, Hy	Edmonton	1191	Jan. 10, 1910
Bouyea, Arthur	Calgary	1193	Feb. 3, 1910
Berwick, Albert E	Red Deer	1196	Mar. 4, 1910
Beamer, Frank A	Calgary	1203	Mar 7, 1910
Bishop, Harvey M	Calgary	1204	Mar. 7, 1910
Blackstock, John	Calgary	1205	Mar. 7, 1910
Bonnieman, Wm	Lethbridge	1215	Mar. 15, 1910
Buchring, Wm	Winnifred	1216	Mar. 15, 1910
Barbin, M J	Coaldale	1217	Mar 15, 1910
Baker, Thos R	Magrath	1218	Mar 15, 1910
Beatty, Ed S	Lethbridge	1219	Mar. 15, 1910
Bryant, Arthur	Lethbridge	1220	Mar 15, 1910
Brown, Thos	Frank	1246	Mar 21, 1910
Baird, Sam	Blairmore	1247	Mar. 21, 1910
Boehnlein, Galuss J	Macleod	1266	Mar. 28, 1910
Buck, Herbt. W	Kitscoty	1302	Apr. 6, 1910
Buckler, Eric W	Black Diamond	1322	Apr 8, 1910
Buck, Alphalus B	Okotoks	1323	Apr 8, 1910
Brown, Archie B	Acme	1334	Apr. 11, 1910
Bowman, Elra	Halkirk	1284	Apr. 1, 1910
Bonallo, Herbt D	Calgary	1381	Apr. 21, 1910
Bonallo, Keir	Calgary	1382	Apr. 21, 1910
Babe, Richard	Whitla	1391	Apr 25, 1910
Byron, J Hercule	Edmonton	1417	May 13, 1910
Barr, John	Calgary	1418	June 2, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act—*Continued*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Third Class—Continued</i>			
Bent, Wm. K	Coleman	1441	July 14, 1910
Brown, deWitt E	Bellshill	1460	Aug. 15, 1910
Bryce, Wm	Davisburg	1485	Sept 6, 1910
Bree, Ernest N	Edmonton	1491	Sept 13, 1910
Burton, Francois J	Edgerton	1492	Sept 16, 1910
Bratvold, Oscar	Dina	1493	Sept 16, 1910
Barstad, Sanders E.	Lee Park	1494	Sept 16, 1910
Brattell, Jas. E.	Calgary	1520	Sept 23, 1910
Brown, Geo J	Granum	1539	Oct 3, 1910
Brubaker, Jonas	Mayton	1551	Oct 17, 1910
Barrett, Alfred	Ponoka	1556	Oct. 17, 1910
Burton, Fredk Wm	Strathcona	1559	Oct 19, 1910
Brown, Fredk H	Medicine Hat	1563	Oct 20, 1910
Brown, Robt	Lundbreck	1575	Oct 20, 1910
Bradley, Harold	Bassano	1579	Nov. 14, 1910
Byers, Elmer L	New Dayton	1583	Nov 17, 1910
Bailey, Evans	Coleman	1584	Nov 17, 1910
Bridge, Ray C.	Calgary	1590	Dec 8, 1910
Borrows, Wm	Lethbridge	1591	Dec 8, 1910
Bond, Newton	Mannville	1593	Dec 10, 1910
Currie, L	Strathcona	*23	Oct 9, 1899
Cameron, John	Edmonton	*25	Oct 9, 1899
Carscadden, F W	Strathcona	*45	Mar 7, 1900
Clmk, Geo J	Lacombe	*115	Dec 31, 1900
Campbell, Michel	Canmore	*134	June 25, 1901
	(dup.)	*141	May 1, 1906
Cruickshank, Chas	Red Deer	*186	Dec 18, 1901
Clauson, John	Red Deer	*231	Apr. 23, 1902
Currie, Wm	Medicine Hat	*256	Aug 18, 1902
Currie, Arch'd	Medicine Hat	*406	Aug 23, 1903
Calhoun, Culver	Calgary	*488	Mar 14, 1904
Curtis, W. W	Carstairs	*511	Apr 18, 1904
	(dup)	*551	Dec 20, 1904
Coulter, Frank	Edmonton	*528	Apr 18, 1904
Cunningham, J. E	Ellerslie	*529	Apr 18, 1904
Clark, W. A	Edmonton	*530	Apr 18, 1904
Charlette, Clifford	Beaumont	*634	Oct 15, 1904
Cote, Jos	Beaumont	*637	Oct 15, 1904
Crichton, David O	Lethbridge (dup.)	*59	Dec 2, 1905
Carpenter, David	Pincher Creek	*679	Dec 9, 1904
Cummins, Walter J. C	Calgary	*743	Mar 16, 1905
Colter, Chas	Medicine Hat	*860	June 14, 1905
Converse, E	Ponoka	55	Nov 16, 1905
Campou, Denis	St Albert	82	Mar 26, 1906
Clausen, Daniel	Evarts	106	Apr 24, 1906
Cartwright, Geo	Calgary	116	Apr 30, 1906
Cooper, Wm. S	Calgary	126	Apr 30, 1906
Craig, James T	Edmonton	144	May 29, 1906
Colwell, Frank L	Didsbury	152	May 31, 1906
Craig, Mert E	Markerville	158	May 31, 1906
Clark, Jas. S	Taber	172	Aug 11, 1906
Clark, O S	Meadow Creek	193	Aug. 13, 1906
	(dup)	1087	Oct 20, 1909
Carcaden, Arthur	Nanton	194	Aug 13, 1906
Charboneau, Len	Fort Saskatchewan.	213	Sept 13, 1906
Camfield, Ernest L	Stettler	229	Sept 20, 1906
Chabot, Jos	Edmonton	235	Sept 20, 1906
Coghill, Albert	Red Deer	239	Sept. 27, 1906
Cummings, Wm. J	Bentley	244	Sept. 27, 1906

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued*

NAME	ADDRESS	NO. OF CERT	DATE OF ISSUE
<i>Third Class—Continued.</i>			
Curtis, Homer G	Edmonton	265	Apr. 29, 1907
Commeysne, Florent	Edmonton	268	Apr. 29, 1907
Campbell, Jas. H	Edmonton	282	May 15, 1907
Code, Jas. A	Red Deer	296	May 20, 1907
Campbell, Johnson	Innisfail	317	May 29, 1907
Collard, Chas. D	Mundare	332	May 31, 1907
Cosgrove, Jas. McA	Calgary	341	June 4, 1907
Carter, John R	Morningside	368	June 7, 1907
Cox, John	Stettler	369	June 7, 1907
Cunningham, Orvill D	Vegreville	395	June 14, 1907
Cunningham, Wilber R	Bawlf	403	June 14, 1907
Campbell, Benj. F	Edmonton	405	June 14, 1907
Clark, Herbert	Strathcona	418	June 14, 1907
Coates, Robt. A	Cochrane	441	June 29, 1907
Caplin, Fred C	Huntsville	467	July 15, 1907
Charters, Ed J	Claresholm	469	July 15, 1907
Clemens, Pater F	Stettler	531	Oct. 28, 1907
Crego, W. E	Lacombe	537	Oct. 28, 1907
Cook, Wm D	Lamerton	565	Feb. 27, 1908
Culp, Geo W	Spring Coulee	630	Apr 9, 1908
Cook, Walter B	Medicine Hat	659	Apr 27, 1908
Cutting, Francis R	Vermilion	676	Apr. 27, 1908
Chambers, John	Lloydminster	710	May 18, 1908
Castian, Desire	Cardiff	774	Sept 18, 1908
Collard, Richard R	Edmonton	775	Sept 18, 1908
Coburn, Alex. F	Duagh	787	Sept 21, 1908
Cotterall, John	Calgary	798	Sept. 22, 1908
Clark, Tom	Cochrane	799	Sept. 22, 1908
Carrow, Jos B	Calgary	800	Sept. 22, 1908
Cull, Cecil	Vegreville	813	Sept. 28, 1908
Challenger, Alf. E	Edgerton	814	Sept 28, 1908
Courtright, Leo	Maughan	815	Sept 28, 1908
Carriere, Arthur	High River	825	Oct. 2, 1908
Cody, Wm H	High River	826	Oct 2, 1908
Cousins, Bert	High River	827	Oct 2, 1908
Cousins, Walter	High River	828	Oct. 2, 1908
Cameron, Geo M	Calgary	861	Oct. 10, 1908
Cleave, Geo. M	Vegreville	865	Oct. 27, 1908
Coffman, Robt	Frank	868	Nov 5, 1908
Curey, Wm	Bowville	892	Mar 24, 1909
Comibear, Wm N	Lethbridge	893	Mar. 24, 1909
Carlson, Carl G	Didsbury	908	Mar. 26, 1909
Canton, Jules	Edmonton	939	Apr. 3, 1909
Chester, Thos W	Macleod	952	Apr. 7, 1909
Christian, Wm. M	Vermilion	980	Apr 20, 1909
Cleven, Nels T	Killam	995	Apr 23, 1909
Court, Wm E	The Gap	1019	Apr 28, 1909
Crews, Waldan	Medicine Hat	1048	May 1, 1909
Cathro, Aylmer G	Lethbridge	1170	Oct 9, 1909
Cowell, Robt. J	Edmonton	1062	Oct. 21, 1909
Chalmers, John	Coleman	1110	Sept. 18, 1909
Cartwright, Walter	Frank	1111	Sept. 18, 1909
Cotton, Samuel J	Coleman	1112	Sept. 18, 1909
Crerar, James	Edmonton	1179	Nov. 16, 1909
Cuddy, Andrew S	Hillend	1197	Mar. 3, 1910
Czarkaski, Antonio	Edmonton	1202	Mar. 5, 1910
Campbell, John Chas	Taber	1221	Mar. 15, 1910
Cimoline, Antonio	Lille	1248	Mar. 21, 1910
Callahan, Jos	Pincher Creek	1258	Mar. 22, 1910
Cridland, Walter	Summerview	1259	Mar. 22, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Third Class—Continued</i>			
Cook, Marshall S .	Pincher Creek	1260	Mar. 22, 1910
Curtis, Claude C	Macleod	1281	Mar. 30, 1910
Carroll, Thos. C. P	Vermilion	1303	Apr. 6, 1910
Clay, Elmer	Paradise Valley	1304	Apr. 6, 1910
Cleophas, Leif M . . .	Coaldale	1313	Apr. 7, 1910
Cady, Lynn.	Edmonton	1345	Apr. 13, 1910
Cheyne, Jas	Edmonton	1405	May 17, 1910
Callfas, Henry	Edmonton	1442	July 14, 1910
Cutlack, Percy	Cowley	1469	Aug. 31, 1910
Cook, Delmer E	Innisfail	1513	Sept. 21, 1910
Cameron, Jas. D	Bassano	1521	Sept. 23, 1910
Clennun, Samuel	Bawlf	1541	Oct. 7, 1910
Candlish, Wm	North Edmonton	1560	Oct. 19, 1910
Crawford, Robt	Barnhill	1564	Oct. 20, 1910
Campbell, Hugh J	Calgary	1578	Oct. 21, 1910
Clark, Gordon	Strathcona	1581	Nov. 15, 1910
Delop, Thos	Frank	*293	Sept. 30, 1902
Dobbs, F. M	Iowalta	*515	Apr. 18, 1904
Druar, S. P	Riviere Qui Barre	*532	Apr. 18, 1904
Dubuc, Emile	Morinville	*551	May 26, 1904
Davis, Henry E	Didsbury	*752	Mar. 24, 1905
Davie, Alvin A .	Calgary	*846	Mar. 26, 1905
Dickson, Jas	Blairmore	6	Sept. 16, 1905
Dowsett, Nat .	Frank	20	Sept. 16, 1905
	(dup)	516	Oct. 22, 1907
Dye, Jas. E	Ponoka	33	Sept. 16, 1905
Deisting, C. G	Duhamel	54	Nov. 3, 1905
Dowling, Nelson	Edmonton	90	Mar. 11, 1906
Devillard, Louis	Edmonton	89	Mar. 11, 1906
Drader, Ernest	Lacombe	112	Apr. 25, 1906
Dawes, Albert A	High River	121	Apr. 30, 1906
Davis, John B .	Edmonton	133	May 11, 1906
	(dup)	1183	Nov. 27, 1909
Dickson, Wm. A	Medicine Hat	167	Aug. 11, 1906
Dickens, Chas	Lille	183	Aug. 13, 1906
Dance, Walter H	Innisfail	293	May 20, 1907
Doolan, John T..	Fort Saskatchewan	335	May 31, 1907
Doyle, John L	Langdon	349	June 4, 1907
Davidson, Peter A	Calgary	358	June 4, 1907
Drewes, H. F. W	Mayville	373	June 7, 1907
Davidson, Andrew C	Lacombe	377	June 7, 1907
Dersch, Anton L.	Leavings	451	July 15, 1907
Dobbie, Alex	Pincher Creek	929	Apr. 1, 1909
Drury, Wm	Taber	552	Dec. 26, 1907
Drinnon, Robt. McC	Calgary	586	Mar. 23, 1908
Deakin, Thos	Hillcrest	606	Apr. 8, 1908
Dickson, John	Red Deer	640	Apr. 14, 1908
Dehning, Louis H	Tapscott	649	Apr. 15, 1908
Davis, Geo. O	Crossfield	680	May 1, 1908
Dowsett, Alfred	North Bank	697	May 7, 1908
Davis, Chris. A .	Lavoy	724	May 18, 1908
Dennis, Glen	Vegreville	726	May 18, 1908
Denner, Jos	Lesser Slave Lake	737	Aug. 6, 1908
Dunbar, Frank G .	Three Hills	756	Sept. 8, 1908
Dickan, Chas. J. H.	Didsbury	760	Sept. 11, 1908
Davis, Clarence	Stavely	829	Oct. 2, 1908
Davis, Christopher	Lethbridge	846	Oct. 6, 1908
Dingee, Harry	Lethbridge	867	Oct. 29, 1908

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Thrd Class—Continued.</i>			
Dangerfield, James A	Olds	*755	Mar. 24, 1905
	(dup)	490	Dec. 30, 1909
Donnelly, Henry J	Wetaskwin	*784	Mar. 27, 1905
Dawson, John C	Mountain View	455	July 15, 1907
Denson, Alex R	Bankhead	550	Dec. 5, 1907
Duffey, Alfred	Lethbridge	895	Mar. 24, 1909
Dlusk, John	Sundial	897	Mar. 24, 1909
Deugan, Hram W	Coleman	910	Mar. 30, 1909
Darimont, Jas	Edmonton	942	Apr. 3, 1909
Dickan, Ferd W	Ponoka	974	Apr. 17, 1909
Dupmeyer, Jos	Edmonton	981	Apr. 20, 1909
Davis, Geo W	Flagstaff	996	Apr. 22, 1909
Duncan, Alexr. D	Edmonton	1063	May 21, 1909
Dixon, Wm	Calgary	1117	Sept 21, 1909
Dickie, Samuel	Lethbridge	1157	Oct. 5, 1909
Davey, John B	Calgary	1206	Mar. 7, 1910
Donnelly, James	Bellevue	1565	Oct 20, 1910
Dawson, Wm	Macleod	1267	Mar 28, 1910
Denike, Geo. H	Lacombe	1285	Apr 1, 1910
Davy, Stewart C	Calgary	1324	Apr. 8, 1910
Davidson, Jas. F	Calgary	1325	Apr. 8, 1910
David, J. R	Vegreville	1346	Apr. 13, 1910
Darrow, Mason	Taber	1368	Apr. 15, 1910
Dainger, Orlando	Stirling	1369	Apr. 15, 1910
Dunn, Robt J	Calgary	1383	Apr. 21, 1910
Davidson, Eric	Calgary	1384	Apr 21, 1910
Downing, Frank H	Bassano	1385	Apr. 19, 1910
Dixon, Wm	Calgary	1415	May 23, 1910
Dow, Alexr	Lethbridge	1477	Sept. 1, 1910
Desler, Geo C	Nanton	1274	Mar 29, 1910
	(dup.)	1486	Sept 6, 1910
Dredge, Wm. H	Edmonton	1495	Sept. 16, 1910
Downing, Augustus	Calgary	1622	Sept. 23, 1910
Edgerton, Guy	Red Deer	*184	Dec. 18, 1901
Evarts, Lucius P	Calgary . . .	*394	Aug. 14, 1903
Evarts, Philo . . .	Banff . . .	*490	Mar. 14, 1904
Edmonds, Thos J	Edmonton .	*803	Mar. 31, 1905
Enbody, Chas. S	Calgary . .	125	Apr. 30, 1906
Ennes, John Jas	Innisfail	147	May 31, 1906
Ewart, David	Strathcona .	219	Sept. 13, 1906
Endersby, Jos P	Medicine Hat	261	Apr. 6, 1907
Engen, Anton A	Sunny Slope	311	May 29, 1907
Eggenberger, John K	Coalbanks	327	May 29, 1907
Elliott, John	Calgary .	353	June 4, 1907
East, Alfred E	Strathcona (dup.)	1436	July 7, 1910
Ensminger, Louis C	Lacombe	400	June 14, 1907
Erratt, Wm. H	Nanton .	419	June 19, 1907
Emmerson, Robt	Bellevue	911	Mar. 30, 1907
Ellis, John W	Edmonton	492	Oct. 15, 1907
Elliott, Henry N	Carstairs	536	Oct. 28, 1907
Euard, Arthur W	Calgary	556	Jan. 20, 1908
Elmhirst, Jos A	High River	584	Mar. 23, 1908
Eiseman, Jos	Peace River Crossing .	738	Aug. 6, 1908
Ellison, O H	Strome	783	Sept 18, 1908
Endersby, John Geo .	Lethbridge .	10	Sept. 16, 1905
Elford, Albert	Grassy Lake	1009	Apr. 25, 1909
Edwards, Orien . . .	Cheadle . . .	1020	Apr 28, 1909
Emmericks, John J . . .	Gleichen .	1021	Apr. 28, 1909
Evans, John B	Canmore .	1022	Apr. 28, 1909

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act — *Continued*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Third Class—Continued</i>			
East, Neal	Edmonton	1083	July 9, 1909
Elder, Chas G	Calgary	1118	Sept 21, 1909
Entwistle, Chas H	Edmonton	1145	Sept 24, 1909
Elliott, Thos	Cardiff	1182	Nov. 24, 1909
Emrich, Wm	Innisfail	1198	Mar. 4, 1910
Enzenauer, Peter	Loma	1263	Mar. 24, 1910
Earl, Edgar G	Norton	1392	Apr 25, 1910
Egger, Christian	Bowville	1411	May 21, 1910
Ells, Fredk. B	Coleman	1422	June 11, 1910
Erickson, Eric A	Milk River	1423	June 11, 1910
Elderkin, Wm. W	Calgary	1446	July 15, 1910
Enyeart, Chas F	New Dayton	1566	Oct. 20, 1910
Evans, Geo W	Magrath	1314	Apr. 7, 1910
Flack, Samuel	Red Deer	*194	Dec 18, 1901
Findlay, Jas F	Leduc	*211	Dec. 18, 1901
Fair, Francis Wm	Medicine Hat	*257	Aug 18, 1902
Foster, Wm W	Red Deer	*370	May 13, 1903
Fluker, W. R	Fort Saskatchewan.	*545	Apr 18, 1904
Flett, Andrew R	Calgary	*744	Mar 16, 1905
Farren, Edgar	Evarts	*777	Mar 24, 1905
Fowler, Wm H	Edmonton	*800	Mar 31, 1905
Flintoff, Walter	Partridge Hill	*816	Apr. 14, 1905
Ferguson, Ernest G	Fort Saskatchewan	80	Mar. 26, 1906
	(dup)	941	Apr 5, 1909
Fairman, Chas	Medicine Hat	85	Apr. 11, 1906
Frizzelle, Jas I	Lacombe	104	Apr 24, 1906
Fullerton, Thos W	Calgary	122	Apr 30, 1906
Fordyce, J	Bowden	156	May 31, 1906
Faltansley, M	Mornville	208	Sept 13, 1906
Fitzsimmons, G. E	Calgary	237	Sept. 24, 1906
Falkenberg, Fred D	Saron	275	May 15, 1907
Forster, Michael	Leduc	278	May 15, 1907
Fortune, Geo	Trochu Valley	301	May 23, 1907
Fryett, Arthur J	Neapolis	312	May 29, 1907
Frieson, J. F	Sunny Slope	313	May 29, 1907
Fike, Daniel K	Crossfield	320	May 29, 1907
Fuller, Albert	Calgary	357	June 4, 1907
Fox, Henry	Olds	380	June 10, 1907
Findlay, Thos	High River	429	June 19, 1907
Fricke, Chas. L	Erskine	541	Oct. 28, 1907
Fauver, A. E	Lamerton	542	Oct 28, 1907
Freeze, Benj H	Edmonton	590	Apr. 2, 1908
Fried, Vincent J	Gratum	598	Apr 2, 1908
Firth, Hedrick	Lethbridge	603	Apr 8, 1908
Fowler, Dan T	Magrath	614	Apr. 8, 1908
Friesen, Peter	Didsbury	652	Apr 15, 1908
Fenner, John S	Camrose	718	May 18, 1908
Farquhar, Alex W	Calgary	802	Sept 22, 1908
Fortin, Chas. C	Morinville	876	Jan 18, 1909
Forland, Ole	Lethbridge	900	Mar 24, 1909
Feargue, Francis J	Pincher Creek	930	Apr 1, 1909
Forrest, Jas O	Lacombe	951	Apr 5, 1909
Fowlie, Wm	Blayney	967	Apr 16, 1909
Forslin, John	New Dayton	989	Apr 20, 1909
Falardean, Aaron J	Taber	1010	Apr 25, 1909
Francis, Jos	Taber	1011	Apr. 25, 1909
Fullerton, Daniel W	Taber	1012	Apr 25, 1909
Fielding, Jas	Lethbridge (dup)	1434	June 25, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Third Class—Continued.</i>			
Farrend, Chas H.	Barnwell	1152	Sept. 28, 1909
Finstad, Ole A	Claresholm	1153	Sept 28, 1909
Fansher, Fred	Lamont	1159	Sept. 29, 1909
Fedun, John	Mundare	1160	Sept. 29, 1909
Frey, Frank	Frank	1172	Oct. 11, 1909
Fairbairn, Robt	Vegreville	1174	Oct. 22, 1909
Fietz, Otto	Diamond City	1222	Mar. 15, 1910
Fisher, Bert	Coleman	1250	Mar. 21, 1910
Fowler, Willis L	High River	1261	Mar. 22, 1910
Frank, Christopher E	Frankburg	1264	Mar 24, 1910
Fedoruk, Tyofi	Vegreville	1305	Apr. 6, 1910
Foster, Riley	Magrath	1357	Apr. 14, 1910
Fenton, S. A	Taber	1370	Apr. 15, 1910
Fletcher, John R	Grassy Lake	1378	Apr. 19, 1910
Francis, Wm	Carlstadt	1393	Apr. 25, 1910
Frigon, Fred.	Calgary	1447	July 15, 1910
Fike, Jesse J	Barnwell	1511	Sept. 21, 1910
Forey, John Jos	Big Valley	1514	Sept. 21, 1910
Gagnon, Alfred	St. Albert	*55	May 28, 1900
Gaetz, Jas. F	Red Deer	*226	Apr. 23, 1902
George, John	Kamloops	*478	June 13, 1904
Giddings, Thos	Calgary	*489	Mar 14, 1904
Grigat, John	Leduc	*533	Apr 18, 1904
Goebel, H. C	Edmonton	*543	Apr 18, 1904
Gardner, Marques	Red Deer	*780	Mar. 24, 1905
Green, Jno	Medicine Hat	*857	June 14, 1905
Gallup, Walter E	Medicine Hat	*858	June 14, 1905
Grote, Frank	Bon Accord	*890	Aug. 31, 1905
Griffen, Henry	Stavelly	11	Sept 16, 1905
Grote, Alex E	Spruce Grove	65	Mar. 16, 1906
Gibeault, J. Eugene	Mormville	70	Mar. 16, 1906
Graf, John	Fort Saskatchewan.	92	Apr 11, 1906
Galloway, Alex	Medicine Hat	84	Apr. 11, 1906
Going, P. S	Mountain View	169	Aug. 11, 1906
Garneau, Larry	Strathcona	224	Sept. 13, 1906
Godley, Maurice W	Red Deer	238	Sept. 27, 1906
Grant, Farquhar	Edmonton	267	Apr. 29, 1907
Glaspie, Ed. H	Hurry	331	May 31, 1907
Grue, Simon T	Camrose	394	June 14, 1907
Grove, Benj K	Camrose	404	June 14, 1907
Grant, Geo. F	Lewisville	412	June 14, 1907
Galentine, Frank	High River	434	June 19, 1907
Graves, Jas. H	Calgary (dup)	1223	Mar. 15, 1910
Giese, Gottlieb W	Spruce Grove	499	Oct. 15, 1907
Graham, Willard	Crossfield	519	Oct. 24, 1907
Gwilt, Geo	Didsbury	528	Oct 24, 1907
Gray, John A	Claresholm	576	Mar. 23, 1908
Gibson, Wm H	Coleman	601	Apr. 8, 1908
Gerrard, John	Lundbreck	914	Mar. 30, 1909
Girber, Dan. E	Sunny Slope	648	Apr. 4, 1908
Gillett, Geo I	Carstairs	681	May 1, 1908
Grundy, Jas	Bowden	684	May 1, 1908
Greene, Geo A	Edmonton	708	May 18, 1908
Gustafson, Ivan	Leduc (dup)	1375	Apr. 19, 1910
Gibbs, Jas A	Delnorte	715	May 18, 1908
Gray, Wm J	Fort Vermilion	739	Aug. 6, 1908
George, Wm. S	Peace River Crossing	740	Aug. 6, 1908
Graham, Jno. M	Athabasca Landing	746	Aug. 13, 1908
Gotobed, B	Strathcona	776	Sept. 18, 1908

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO. OF CERT	DATE OF ISSUE
<i>Third Class—Continued</i>			
Gale, Sydney H	Calgary	791	Sept. 24, 1908
Gillies, Wm	Stratheona	872	Dec. 23, 1908
Goodfellow, Jas	Calgary	118	Apr. 30, 1906
Goeson, Geo. J	Granum	912	Mar. 30, 1909
Gilmore, David	Frank	913	Mar. 30, 1909
Gibb, David T	Raymond	990	Apr. 20, 1909
Gong, Ernest M	Mountain View	1006	Apr. 25, 1909
Gusa, Herman E	Calgary	1013	Apr. 25, 1909
Grobe, Chas W	Shepard	1023	Apr. 28, 1909
Geertruyden, H Van	Edmonton	1086	July 25, 1909
Gilmore, Chas. R	Red Willow	1091	Aug. 27, 1909
Gullekson, Edwin L	Wetaskiwin	1195	Sept. 7, 1909
Guertin, Jos E	Bowville	1101	Sept. 15, 1909
Gowdy, Wm T	Airdrie	1119	Sept. 21, 1909
Green, Jay H	Brant	1120	Sept. 21, 1909
Grunoldby, Walter H	Stratheona	1161	Sept. 29, 1909
Gobell, Edward	Royal View	1224	Mar. 14, 1910
Grigat, John, Jr	Leduc	1286	Apr. 1, 1910
Gunderson, Ingval J	Warner	1360	Apr. 14, 1910
Gruidl, Stephen	Manfred	1404	May 17, 1910
Goodwin, Wm	Stratheona	1448	July 15, 1910
Gerrie, Geo	Oxville	1496	Sept. 16, 1910
Gibbons, Geo A R	Battensburg	1497	Sept. 16, 1910
Giese, Daniel	Spruce Grove	1498	Sept. 16, 1910
Guess, Herbert	Pincher Creek	1567	Oct. 20, 1910
Gosling, Fredk	Morley	1580	Nov. 14, 1910
Gellhorn, Wilhelm	Stratheona	1594	Dec. 20, 1910
Hewer, Jesse J	Stratheona	* 24	Oct. 9, 1899
Harrold, David	Edmonton	* 54	May 28, 1900
Heffner, Frank	Bruederheim	* 92	Nov. 15, 1900
Holden, J A	Stratheona	*114	Dec. 31, 1900
Hober, Jno. W	Ponoka	*214	Jan. 7, 1902
Harris, Ed S	Star	*327	Dec. 18, 1902
Hudson, Arthur C	Edmonton	*330	Jan. 6, 1903
Hehsdoerfer, Jos	Edmonton	*359	May 13, 1903
Haney, Sylvester	Lacombe	*482	Jan. 28, 1904
Hougestol, Anton	Wetaskiwin	*516	Apr. 18, 1904
Harrold, Jno., Jr	Edmonton	*534	Apr. 18, 1904
Hankehadl, Edgar O	Duhamel	*785	May 27, 1905
Hardy, Albert Wm	Lake de May	*787	Mar. 27, 1905
	(dup)	878	Feb. 10, 1909
Henschel, August	Stratheona	49	Sept. 23, 1905
Hart, Wm. J	Raymond	22	Sept. 16, 1905
Hacking, Geo. A	Magrath	23	Sept. 16, 1905
Haybarger, Chas. A	Fort Saskatchewan	34	Sept. 16, 1905
Hewitt, Robt. E	Bon Accord	38	Sept. 18, 1905
Hays, Morion L	Tofield	91	Apr. 11, 1906
Headley, Henderson	Medicine Hat	88	Apr. 11, 1906
Higgins, Jas A	Medicine Hat	87	Apr. 11, 1906
Humbke, Detriche E	Battle River	101	Apr. 20, 1906
Hunter, Wm. Jno	Fort Saskatchewan.	109	Apr. 24, 1906
Hobson, Patrick J	Stratheona	130	May 4, 1906
Hunter, Fred H	Didsbury	151	May 31, 1906
Hallett, Geo. E	Camrose	163	July 7, 1906
Henry, Ortus	Claresholm	177	Aug. 13, 1906
Heighington, J. H...	Rosenroll	230	Sept. 20, 1906
	(dup.)	1321	Apr. 7, 1910
Hammitt, J. A	Wetaskiwin	234	Sept. 20, 1906
Harris, A. J	Chipman	223	Sept. 13, 1906

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Third Class—Continued</i>			
Hardy, Wm. B	Edmonton.....	270	Apr. 29, 1907
Hellmers, Jno	Millet	276	May 15, 1907
Hitchcock, Arthur L	Pine Lake	292	May 20, 1907
Harris, Ed	Mayton	303	May 23, 1907
Hardman, Geo. S	Mayton	306	May 23, 1907
Hilts, Neil A	Didsbury	314	May 29, 1907
Huff, Wm H	Crossfield	315	May 29, 1907
Harrison, David R	Lamont	333	May 31, 1907
Handley, J T	Valley City	370	June 7, 1907
Hauser, Jno. H	Strome	387	June 14, 1907
Hauser, Geo. W	Strome	401	June 14, 1907
Halstead, Arthur L	Edberg	407	June 14, 1907
Hoar, Wm. J	Berry Bank	409	June 14, 1907
Hartt, Guy C	High River	421	June 19, 1907
Herron, Jno A	Nanton	915	May 30, 1909
Honan, Jno E	High River	431	June 19, 1907
Hislop, Thos L	Taber	443	July 15, 1907
Havervold, Robt L	Lethbridge	462	July 15, 1907
Henderson, Clifton C	Elnor	470	July 15, 1907
Heitman, Herman	Pincher Creek	473	July 15, 1907
Hicks, Ephraim B	Raymond	474	July 15, 1907
Harding, Norris H	Lethbridge	477	July 15, 1907
	(dup)	848	Oct. 6, 1908
Hallman, Sydney E	Carstairs	488	Oct 12, 1907
Horne, Ned	Edmonton	506	Oct 15, 1907
Healy, Jos	Bankhead	548	Dec. 5, 1907
Henderson, Jno H	Taber	554	Dec 26, 1907
Harris, Geo. A	Calgary	555	Jan 20, 1908
Horwood, Walter E	Calgary	560	Jan 20, 1908
Hyde, Geo T	High River	581	Mar 23, 1908
Hutchings, Percy J	Edmonton	916	Mar 30, 1909
Howard, Sam	Frank	613	Apr 8, 1908
Hills, Wm C	Hillcrest	624	Apr 9, 1908
Hilts, Simon W	Didsbury	654	Apr. 15, 1908
Hoy, Walter M	Medicine Hat	665	Apr 27, 1908
Haskins, Martin	Vermilion	670	Apr. 27, 1908
Haves, Fred J	Vermilion	671	Apr. 27, 1908
Hall, Richard	Lloydminster	673	Apr. 27, 1908
Higginson, R. R	Kitcooty	677	Apr. 27, 1908
Holgate, Jno	Airdrie	685	May 1, 1908
Haselwood, Alfred W	Rosenroll	701	May 7, 1908
Hunting, Humphrey W	Lacombe	769	Sept. 14, 1908
Holbrook, Peter E	Stettler	770	Sept 14, 1908
Hanlan, W J	Edmonton	777	Sept 18, 1908
Hallvarson, Peter W	Black Diamond	792	Sept 22, 1908
Haeflin, Mark E	Exshaw	793	Sept 22, 1908
Henderson, Alex	Granum	830	Oct 2, 1908
Hendrickson, Jno	Claresholm	831	Oct. 2, 1908
Henderson, Robt	Lethbridge	958	Apr. 9, 1909
Hatfield, Chas. L	Blayney	968	Apr. 16, 1909
Hansen, Peter C	Cleversville	977	Apr. 20, 1909
Hultgren, Victor	Stavely	987	Apr 20, 1909
Horne, Geo., Jr	Edmonton	982	Apr. 20, 1909
Hall, David N	Grassy Lake	993	Apr. 30, 1909
Honeywell, Sid C	Sedgewick	997	Apr 22, 1909
Hough, Oscar	Camrose	998	Apr. 22, 1909
Haugen, Peter M	Bardo	999	Apr. 22, 1909
Hardy, Herbt J	Exshaw	1024	Apr. 28, 1909
Henderson, A. J	Langdon	1025	Apr. 28, 1909
Hauptert, John	Lewisville	1044	Apr. 30, 1909

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO OF CERT	DATE OF ISSUE
<i>Third Class—Continued</i>			
Hunter, Jas. S	Edmonton	1064	May 21, 1909
Hendrie, Jas. M	Lethbridge	1102	Sept. 15, 1909
Hermann, Chas	Queenstown	1121	Sept. 21, 1909
Hutchinson, Fred	High River	1122	Sept. 21, 1909
Herrick, Oscar F	Eyremore	1123	Sept. 21, 1909
Hiney, Allan	Cochrane	1124	Sept. 21, 1909
Hatfield, Wilmer B	Lethbridge	1178	Nov. 13, 1909
Hawkes, Wm	Edmonton	1185	Dec 4, 1909
Heighs, Geo., Jr	Iron Springs	1225	Mar. 15, 1910
Hewitt, Jas. R	Cowley	1251	Mar 21, 1910
Homer, Samuel C	Claresholm	1275	Mar 29, 1910
Hazelwood, Ernest Wm	Bittern Lake	1287	Apr. 1, 1910
Hauser, Anthony B	Strome	1288	Apr. 1, 1910
Hicks, Frank I	Raymond	1315	Apr. 7, 1910
Harris, Thos. Wm	Raymond	1316	Apr 7, 1910
Hislop, Wilber	Calgary	1320	Apr. 7, 1910
Hendrickson, Edwin	Crossfield	1335	Apr. 11, 1910
Hickox, Wm C	Cochrane	1336	Apr. 11, 1910
Holte, Ole	Logan	1347	Apr. 13, 1910
Hanson, Fred	Viking	1348	Apr. 13, 1910
Hammer, Leo	Lethbridge	1358	Apr. 14, 1910
Hipp, Wm	Faber	1371	Apr 15, 1910
Hernck, Weston M	Cleaverville	1387	Apr 22, 1910
Harder, Andrew J	Medicine Hat	1394	Apr. 25, 1910
Harrold, John	Lethbridge	1412	May 21, 1910
Hamilton, Walter	Olds	1419	June 9, 1910
Hamilton, John	Pincher Creek	1424	June 11, 1910
Hughes, Robt Samuel	Cardiff	1443	July 14, 1910
Hall, Jesse D	Stirling	1466	Aug. 30, 1910
Horn, Peter	Lethbridge	1467	Aug. 30, 1910
Horn, Wm	Lethbridge	1478	Sept. 1, 1910
Hansen, Arney	Millet	1487	Sept 6, 1910
Hull, Geo S	Edmonton	1499	Sept. 16, 1910
Harwood, Thos R	Stettler	1515	Sept 21, 1910
Hohle, John F	Calgary	1523	Sept. 23, 1910
Heaton, Frank	Edmonton	1528	Nov. 15, 1910
Imeson, Geo	Stony Plain	*206	Dec 18, 1901
Inglis, Geo	Red Deer	*779	Mar. 24, 1905
Ibson, Clause W	Mewassin	*804	Mar 31, 1905
Isaacson, Frank	Claresholm	191	Aug. 13, 1906
Iverson, Olaf	Molstad	231	Sept 20, 1906
Isaacson, Arthur F	Evarts	514	Oct 22, 1907
Isherwood, Wm	Calgary	588	Mar. 23, 1908
Ingram, Wm	Leduc	700	Mar 7, 1908
	(dup)	860	Oct. 7, 1908
Isaacson, Willie	Claresholm	969	Apr. 16, 1909
Illingworth, Jos	Edmonton	983	Apr 20, 1909
Inglesby, E C	Edmonton	1180	Nov. 16, 1909
Imler, Jno C	Okotoks	1326	Apr. 8, 1910
Jackson, Chas	Calgary	* 66	July 19, 1900
Joyner, Chas A	Bentley	*173	Oct. 2, 1901
James, Dunham D	Didsbury	*321	Nov. 1, 1902
Jeune, Ivan	Wetaskiwin	*332	Feb. 13, 1903
Jamieson, Johnston	Ponoka	*353	Apr 24, 1903
Johnson, Conrid	Red Deer	*414	Aug 29, 1903
Jameson, Chas W	Ponoka	*644	Oct 15, 1903
James, F S	Ponoka	28	Sept 16, 1905
Johnson, Elijah	Canyon	61	Dec 29, 1905

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act —*Continued.*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Third Class—Continued.</i>			
Johnson, Ed	Diana	99	Apr 20, 1906
Jenson, Louis C	Alix	114	Apr. 25, 1906
Jones, Jack	Bankhead	140	May 14, 1906
Johnson, Benj. F	Raymond	186	Aug. 13, 1906
Jones, Fred	Coleman	189	Aug. 13, 1906
Job, Chas	Strathcona	222	Sept. 13, 1906
Jordon, A H	Edmonton	271	Apr. 22, 1907
Johnson, Pontus	Lewisville	281	May 15, 1907
Jesse, Ed	Hardisty	284	May 15, 1907
Johnson, G Anton	Didsbury	316	May 29, 1907
Johanson, Henry	Walsh	328	May 31, 1907
Johnson, Jos	Medicine Hat	361	June 4, 1907
Jones, Arthur	Camrose	383	June 14, 1907
Johns, Thos L	Magrath	459	July 15, 1907
Jamieson, Jesse H	Edmonton	505	Oct. 15, 1907
Johannson, Jno T	Olds	521	Oct. 24, 1907
Journey, Clyde R	Brant	582	Mar. 22, 1908
Jepson, Walter	Bellevue	612	Apr. 8, 1908
Johnston, Percy W	Edmonton	713	May 18, 1908
Johnson, Elmer	Daysland	716	May 18, 1908
Julen, Eugene	South Bend	720	May 18, 1908
Johnson, Chas J	Stavely	832	Oct. 2, 1908
Jenson, Ole E	Seven Persons	833	Oct. 2, 1908
Jones, Isaac	Raymond	849	Oct. 6, 1908
James, John E	Taber	850	Oct. 6, 1908
Johnson, Alfred	Hillcrest	917	Mar 30, 1909
Jackson, Thos. C	Stettler	962	Apr. 13, 1909
James, Griffith L	Ponoka	975	Apr 17, 1909
Jones, Robert	Lethbridge	1103	Sept. 15, 1909
Jermame, Stephen	Andrew	1038	Apr. 29, 1909
Johnson, W. E	Lethbridge	1058	May 4, 1909
Jones, Arthur W	Edmonton	1060	May 20, 1909
Johnson, John G	Millet	1065	May 21, 1909
Jones, Wm Daniel	Edmonton	1066	May 21, 1909
Johnson, Chas. J	Onoway	1192	Jan. 10, 1910
Jones, Wm C	Bow Island	1226	Mar. 25, 1910
Jeanelauide, Leopold	Edmonton	1306	Apr 6, 1910
Jackson, Roy E	Queenstown	1327	Apr. 8, 1910
Johnston, Albert J	Calgary	1337	Apr 11, 1910
Jordan, Glen L	Banff	1338	Apr 11, 1910
Jones, Albert E	Rosebud Creek	1407	Apr. 19, 1910
Johnsrud, Alfred	Harmattan	1552	Oct 17, 1910
Johnson, Jas. F., Jr	Barnwell	1568	Oct. 20, 1910
Krause, Otto	Innisfail	*171	Oct 1, 1901
Kanngiesser, Simon	Lacombe	*512	Apr. 18, 1904
Kelsey, A F	Clover Bar	*535	Apr 18, 1904
Knapp, Henry H	Edmonton.	*645	Oct 15, 1904
Kerwin, James	Leavings	*748	Mar 16, 1905
Kolner, Bernard	Millet	*793	Mar. 27, 1905
Klapstein, Ed	Ellerslie	* 49	Apr. 25, 1900
Krouse, Wilhelm	Spruce Grove	*819	Apr 14, 1905
Kallis, Ed	Strathcona	*847	May 26, 1905
Knight, Harry P	Edmonton	35	Sept 16, 1905
Krinke, August	Highland Park	46	Sept. 18, 1905
Kerr, John	Calgary	64	Mar. 9, 1906
Kennely, Dent	Calgary	124	Apr 30, 1906
Karmagel, F R	Didsbury	154	May 31, 1906
Kiddle, Thos. M	Stirling	165	Aug. 11, 1906
Kearney, W. J	Claresholm	178	Aug. 13, 1906

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO OF CERT	DATE OF ISSUE
<i>Third Class—Continued</i>			
Kjosness, Peter P	Martins	217	Sept. 13, 1906
Kendrews, Jos W	Edwell	250	Oct 5, 1906
Krinke, Benj	Highland Park	249	Oct 5, 1906
Knowles, Kenneth E	Wetaskiwin	264	Apr 25, 1907
Kremer, David H	Innisfail	294	May 20, 1907
Kjorsvik, Albert	Eagle Hill	305	May 23, 1907
Kittlitz, Ed	Bruderheim	329	May 31, 1907
Kenny, John	Calgary	918	Mar. 30, 1909
Knape, Ernest P	Calgary	344	June 4, 1907
Keegan, Dan	Morley	355	June 4, 1907
Kreamer, Wm W	Strathcona	384	June 14, 1907
Klaperazuk, S	Mundare	406	June 14, 1907
Keith, Scott	Taber	551	Dec 26, 1907
Kniseley, Arthur C	Standoff	1143	Sept 21, 1909
Klein, Emil F	Leduc	669	Apr 27, 1908
Kadlec, Frank	Wetaskiwin	712	May 18, 1908
Kinne, Fred	Calgary	750	Aug 28, 1908
Kemp, Robt. M	Duagh	816	Sept 28, 1908
Keoster, Carl H	Granum	834	Oct 2, 1908
Keeler, Ralph A	Lethbridge	851	Oct 6, 1908
Kendrew, John T	Edwell	888	Mar 20, 1909
Kalis, Theodore	Edmonton	941	Apr 2, 1909
King, Chas F	Macleod	953	Apr 7, 1909
Knudson, Loues	Killam	1000	Apr 22, 1909
Kundson, Chas A	Wetaskiwin	1098	Sept 10, 1909
King, Benj	Lethbridge	1227	Mar 15, 1910
Keffer, J John	Frank	1252	Mar. 21, 1910
Kitchen, Elroy R	Cayley	1265	Mar 24, 1910
Kittlitz, Chrystian	Bruderheim	1307	Apr 6, 1910
Kneis, Louis	Stony Plain	1308	Apr 6, 1910
Krutz, John	Calgary	1328	Apr 8, 1910
Kincade, Jerry	Stirling	1372	Apr 15, 1910
Klingner, Hy	Calgary	1428	June 14, 1910
Kjosness, Alfred	Martins	1501	Sept 21, 1910
Kuhl, Edwin	Stony Plain	1502	Sept 21, 1910
Kinnen, Peter	Independence	1509	Sept 21, 1910
Kruse, Herman	Hastings Coulee	1542	Oct 7, 1910
Knight, O L	Taber	1586	Nov 17, 1910
Kremper, Ernest	Edmonton	1589	Nov 23, 1910
Lamoureux, Alcide	Lamoureux	96	Nov 15, 1900
Lee, Geo	Edmonton	*200	Dec 18, 1901
Lewis, Wm. H	Innisfail	*191	Dec. 18, 1901
	(dup)	*888	Aug 28, 1905
Lamoureux, Alp	Lamoureux	*186	Dec 18, 1902
Loiselle, Jerry	Red Deer	*225	Apr 23, 1902
Lundy, Wm Thos	Innisfail	*227	Apr 23, 1902
Lynch, Alix W	Blairmore	*259	Aug 18, 1902
Lyseng, Knut K.	Bittern Lake	*390	Aug. 7, 1903
Lindberg, Erick	Calmar	*510	Apr 18, 1904
Langhausen, Jacob	Fort Saskatchewan	*523	Apr 18, 1904
Langhausen, Peter	Fort Saskatchewan	*524	Apr. 18, 1904
Lee, Andrew E	Wetaskiwin	*525	Apr 18, 1904
Lehman, Harrison	Edmonton	*633	Oct 15, 1904
	(dup)	*64	Feb 15, 1908
Logan, John	Penhold	*774	Mar. 24, 1905
Logan, Dan	Red Deer	*783	Mar. 24, 1905
Lee, Oscar E	Wetaskiwin	*788	Mar 27, 1905
Long, Albert W	Namoo	36	Sept 16, 1905
Lindholm, Andrew G. J	Burnt Lake	60	Dec. 27, 1905

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO. OF CERT	DATE OF ISSUE
<i>Third Class—Continued.</i>			
Lee, Albert	Wetaskiwin	97	Apr. 20, 1906
Laine, Francois P	Bankhead	138	May 14, 1906
Lambe, Alex	Didsbury	150	May 30, 1906
Linkous, Jas B	Raymond	173	Aug. 13, 1906
Lindsay, Samuel D	Strathcona	212	Sept. 13, 1906
Lennox, Jas. A	Red Deer	251	Oct. 5, 1906
Lugt, Laega	Lille	256	Dec 28, 1906
Lawrence, Fred'k S	Fort Vermilion (dup)	544	Oct. 29, 1907
Lawrence, Fenwick N	Edmonton	260	Feb 23, 1907
Lavoll, Lewis J	Evarts	290	May 20, 1907
Lancaster, Robt V	Calgary (dup)	736	July 24, 1908
Latam, Myron B	Content	371	June 7, 1907
Lehman, Sam	Nanton	438	June 19, 1907
Lamoureux, Hermidas	Lamoureux	502	Oct. 15, 1907
Lamoureux, Albert	Lamoureux	503	Oct. 15, 1907
Lee, Thos H	Olds	518	Oct 24, 1907
Lewis, Lyman L	Olds	526	Oct 24, 1907
Lang, Wm	Okotoks	566	May 26, 1908
Lyon, Omar	Blayney	571	May 23, 1908
Lee, John A	Edmonton	592	Apr. 2, 1908
Lee, Lars	Leduc	678	Apr. 27, 1908
Loveless, Peter	Lloydminster	707	May 18, 1908
Lucas, Sam B	Daysland	719	May 18, 1908
Lansing, Geo	Leavings	*747	Mar. 16, 1905
	(dup)	1455	Aug 2, 1910
Littlefield, Chas W	Eagle Hill	909	Mar. 26, 1909
Large, Eugene	Frank	919	Mar. 30, 1909
Lehman, Peter L	Pincher Creek	931	Apr 1, 1909
Laut, Frank	Ena	945	Apr 6, 1909
Link, Ronald F	Leithbridge	960	Apr 9, 1909
Lunn, Edward	Stettler	963	Apr. 13, 1909
Lewis, Isaac H	Killam	1001	Apr 22, 1909
Long, Geo S	Namoo	1039	Apr. 29, 1909
Lunder, Andrew H	Westerose	1045	Apr. 30, 1909
Leonard, Jas. F	Seven Persons	1049	May 1, 1909
Larson, Edwin H	Seven Persons	1050	May 1, 1909
Lindsey, Horace F	Strathcona	1075	May 26, 1909
Larson, Harry	Langdon	1079	June 1, 1909
LaBonte, Fred	Calgary	1125	Sept 21, 1909
Laventure, Arthur	Beaumont	1146	Sept 25, 1909
Lawrence, Herman M	Ross Creek	1162	Sept. 29, 1909
Long, Herbt. Wm	Calgary	1187	Dec. 17, 1909
Lawrence, Sheridan	Fort Vermilion	741	Aug 6, 1908
Laroux, Oliver	Chipewyan	742	Aug 6, 1908
Lloyd, Roy A.	Carstairs	761	Sept. 11, 1908
Love, Thos	Hicksburg	835	Oct 2, 1908
Lindsay, Alvan A	Calgary	1207	Mar. 7, 1910
Long, Henry G	Calgary	1208	Mar. 7, 1910
	(dup).	1450	July 15, 1910
Lewis, Geo. H	Calgary	1209	Mar. 7, 1910
Low, Ralph E	Carmangay	1276	Mar. 29, 1910
Lloyd, John W	Stavely	1277	Mar. 29, 1910
Lotan, Herbt. N	Strome	1289	Apr. 1, 1910
Linquest, Nils W	Rivierre Qui Barre.	1309	Apr. 6, 1910
LeBlanc, Roaul	Mayton	1332	Apr. 9, 1910
Lawrella, Michael	Bankhead	1339	Apr. 11, 1910
Lindman, W. L	Milk River	1359	Apr. 14, 1910
Lonagacre, Fred	Taber	1373	Apr. 15, 1910
Levisque, Walter	Medicine Hat	1395	Apr. 25, 1910
Lunn, Arthur B	Calgary	1401	Apr. 26, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act —*Continued*

NAME	ADDRESS	NO OF CERT	DATE OF ISSUE
<i>Thrd Class—Continued.</i>			
Long, Jas. W	Calgary	1408	May 19, 1910
Lane, Lewis W	Bowville	1425	June 11, 1910
Long, Fred	Beiseker	1433	June 14, 1910
Lockhart, Wm	Kipp	1479	Sept 1, 1910
Lithgow, John	Reid Hill	1488	Sept 6, 1910
Lorerm, John	Edmonton	1503	Sept. 21, 1910
Lighthall, Geo B	Bassano	1524	Sept 23, 1910
Lambert, Arthur	Redcliff	1533	Sept. 24, 1910
LeGear, Russell C	Weatskiwin	1543	Oct. 7, 1910
Morkin, Jno	Dunbow	* 39	Dec 1, 1899
Martin, M Z	Morinville (suspended) .	* 56	May 28, 1900
Mitchell, Tim W	Red Deer	*119	Feb 7, 1901
Mather, E. M	Calgary	*133	June 6, 1901
Morden, Jacob R	Lacombe	*187	Dec 18, 1901
Moore, John R	Innisfail	*190	Dec. 18, 1901
Mumer, Wilfred	Stony Plain	*199	Dec. 18, 1901
Miller, Philip	Morinville	*201	Dec. 18, 1901
Meneely, Wm	Edmonton	*204	Dec. 18, 1901
Mikethus, Michael	Leduc	*210	Dec 18, 1901
Morkeberg, D	Innisfail	*232	Apr 23, 1902
Martin, Henry E	Wardner (dup)	*854	June 13, 1905
Mooney, W S	Lacombe	*513	Apr. 18, 1904
Murray, A A	St. Albert	*536	Apr 18, 1904
Meunier, J. H	Morinville	*537	Apr 18, 1904
Meredith, Wilbert	Edmonton	*538	Apr 18, 1904
Mathews, Geo	Strathcona	*636	Oct 15, 1904
Morgan, Oscar	Strathcona	*643	Oct 15, 1904
Maxfield, W H	Namoo	*646	Oct 15, 1904
Mead, Francis A	Pincher Creek	*678	Dec 30, 1904
May, Daniel	Blairmore	*681	Jan 21, 1905
Mew, John	Calgary	*750	Mar. 24, 1905
Muir, Wm. J	Ponoka	*764	Mar 24, 1905
Marler, Walter	Clover Bar	*799	Mar. 31, 1905
Mohr, John J	Edmonton	*870	July 6, 1905
Morel, H. F	Edmonton	37	Sept 16, 1905
Melnyk, Wm	Star	40	Sept 18, 1905
Mason, Jas D	Clover Bar	43	Sept 18, 1905
Moss, Richard	Edmonton	*81	Mar. 26, 1905
Mahood, Robt F	Buford	94	Apr. 11, 1906
Murray, Dan L	Bentley	105	Apr. 24, 1906
Mitchell, Jos C	Tees	111	Apr 25, 1906
Moritz, Henry C	Olds	146	May 31, 1906
Moritz, Louis J A	Olds	148	May 31, 1906
Morkeberg, Holger	Markerville	157	May 31, 1906
Maxwell, Tim	Claresholm	180	Aug 13, 1906
Murray, Thos N	Medicine Hat	171	Aug. 11, 1906
Muir, Geo A	Morrissey	182	Apr. 13, 1906
	(dup)	877	Feb 1, 1909
Maunchaw, Aug	Strathcona	218	Sept 13, 1906
Mead, Wm	Edmonton	221	Sept 13, 1906
Maxfield, Geo. A	Namoo	236	Sept 13, 1906
Miller, Dick F	Blackfolds	241	Sept 27, 1906
Malcher, Chas	Wetaskiwin	246	Oct 5, 1906
Miller, Jones P	Delnorte	334	May 31, 1907
Morrison, Avarid L	Calgary	348	June 4, 1907
Martin, Jno. C B	Calgary	362	June 4, 1907
Moody, Jas Wm	Brocket	363	June 4, 1907
Morter, Chas J	Iowalta	365	June 7, 1907
Miller, Wm M	Brant	420	June 19, 1907

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act —*Continued*

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Third Class—Continued.</i>			
Morrow, Jos. W	Roundup	460	July 15, 1907
Meldrum, David (Jr)	Raymond	466	July 15, 1907
Manning, Jas. A	Cowley	471	July 16, 1907
Munro, Milo	Gleichen	484	Aug. 28, 1907
Martin, Chas. A	High River	487	Sept. 4, 1907
Miller, Ferd C	Cooking Lake	496	Oct 15, 1907
Munro, Fred	Innisfail	510	Oct. 22, 1907
Morden, Jno	Lacombe	533	Oct 28, 1907
	(dup)	925	Mar 30, 1909
Malchow, G E A	Earlville	538	Oct 28, 1907
Mignault, Jos C	Calgary	579	Mar. 23, 1908
Middleton, Archie C	Nanton	583	Mar 23, 1908
Marshall, Frank P	Spring Point	600	Apr. 8, 1908
May, Alex S	Lille	632	Apr. 9, 1908
Millar, T B	Burnt Lake	641	Apr 14, 1908
Marson, Chas H	Medicine Hat (dup).	735	July 15, 1908
Mitchell, Franklin A	Medicine Hat	664	Apr 27, 1908
Miles, Jas	Vermilion	667	Apr. 27, 1908
Mark, David McK	Mannville	672	Apr. 27, 1908
	(dup)	1189	Dec 29, 1909
Marler, Jas T	Crossfield	683	May 1, 1908
Martin, Landis	Stettler	686	May 1, 1908
Millar, Jno F	Bentley	694	May 6, 1908
Munro, Alex A	Lockhart	696	May 6, 1908
Morris, Wm H	Wetaskiwin	698	May 6, 1908
Maurice, Frank E	Edmonton	730	May 26, 1908
Maxwell, Jno W	Cochrane	731	June 12, 1908
Morris, Jas E	Lochend	732	June 12, 1908
Morris, Jas W	Canmore	734	June 29, 1908
Morton, Lewis R	Athabasca Landing	745	Aug 6, 1908
Mott, Henry J	Red Deer	752	Sept. 2, 1908
Murray, Jas	Murray Valley	757	Sept 8, 1908
Mortelette, H C	Edmonton	778	Sept 18, 1908
Masse, Louis	Legal	788	Sept 21, 1908
Mulligan, Geo B	Bon Accord	789	Sept 21, 1908
Miller, Jacob	Stony Plain	790	Sept. 21, 1908
Marshall, Robt. E	Raymond	852	Oct. 6, 1908
Murphy, Edward F	Strathcona	875	Jan 8, 1909
Morris, Andrew	Calgary	882	Mar. 19, 1909
Mackin, John	Lethbridge	902	Mar 24, 1909
Mitchell, Ava D	Aldersyde	935	Apr. 2, 1909
Munson, Jas B	Reid Hill	936	Apr. 2, 1909
Moore, Corey G	Macleod	954	Apr. 7, 1909
Mudiman, David L	Macleod	955	Apr 8, 1909
Myers, James	Claresholm	970	Apr. 16, 1909
Myers, Roy C	Claresholm	971	Apr 16, 1909
Mulligan, Jos	Canmore	1026	Apr 28, 1909
Mundell, Wm G R	Lethbridge	1054	May 3, 1909
Monson, Jos	Camrose	1092	Sept. 7, 1909
Muller, Jas	Diamond City	1104	Sept. 15, 1909
Munro, Claud	Lethbridge	1480	Sept 1, 1910
Marr, Robt	Edmonton	1164	Sept 29, 1909
Miller, Herman A	Edmonton	1175	Oct 27, 1909
Morris, John	Wild Horse	1177	Nov 13, 1909
Muirhead, Jas W	Calgary	1210	Mar. 7, 1910
Mitchell, Wesley C	Calgary	1211	Mar. 7, 1910
Morningstar, Roy	Lethbridge	1229	Mar 15, 1910
Martin, Wm A	Lethbridge	1230	Mar. 15, 1910
Malchow, Fred C	Claresholm	1278	Mar. 29, 1910
Mach, Jos	Camrose	1291	Apr. 1, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO OF CERT	DATE OF ISSUE
<i>Third Class—Continued.</i>			
Messmer, Jno F	Hastings Coulee	1292	Apr 1, 1910
Mildon, Wm L	Ponoka	1301	Apr 5, 1910
Mueller, Mike M	Warner	1361	Apr. 14, 1910
Mahcod, C J	New Dayton	1362	Apr. 14, 1910
Mayberry, Thos. W	Warner	1363	Apr. 14, 1910
Mitchell, Wm	Calgary	1386	Apr. 21, 1910
Miles, John	Lethbridge	1388	Apr 22, 1910
Merkel, Jacob F	Irvine	1396	Apr. 25, 1910
Morley, Wm. N	Morningside	1405	May 17, 1910
Mogridge, John Jas	Copeville	1420	June 9, 1910
Molton, Earl	Calgary	1464	Aug. 29, 1910
Michaelis, Eddie	Milk River	1481	Sept. 1, 1910
Marshall, Wm J	Calgary	1525	Sept 23, 1910
Malcolm, Roy	Calgary	1526	Sept 23, 1910
Moses, Geo	Medicine Hat	1534	Sept 24, 1910
Muir, Geo H	Ponoka	1558	Oct. 17, 1910
Matson, Chas	Calgary	1577	Oct 20, 1910
McKernan, Jas	Edmonton	* 28	Oct 29, 1899
McDonald, Findlay	Sturgeon	* 86	Oct. 23, 1900
McLellan, Jno	Fort Saskatchewan	* 93	Nov. 15, 1900
McLeod, M J	Fort Saskatchewan.	* 94	Nov 15, 1900
McKellar, Jno	Fort Saskatchewan	* 95	Nov. 15, 1900
McKinley, Murdoch	Stony Plain	*203	Dec. 18, 1901
McLean, Archibald	Lethbridge	*250	Aug 18, 1902
McLean, Alix. M	Calgary	*347	Mar. 9, 1902
McGarry, Fred	Lacombe	*355	Apr 24, 1903
McDonald, Wm	Penhold	*369	May 13, 1903
McConnell, Jas R	Red Deer	*372	May 13, 1903
McAuley, Jas	Rabbit Hill	*	June 10, 1903
McLean, Jas A	Star	*539	Apr 18, 1904
McDiarmid, A D	Edmonton	*540	Apr. 18, 1904
McFadyen, Jno. R	Strathcona	*553	June 3, 1904
McDonald, Malcolm	Mountain Hill	*594	Sept 14, 1904
McLeod, D J. W.	Strathcona	*641	Oct 15, 1904
	(dup)	*766	Sept. 11, 1908
McKenzie, Dan	Lacombe	*760	Mar. 24, 1905
McInroy, Paul	Edwell	*773	Mar. 24, 1905
McEachern, Malcolm	Leduc	*792	Mar. 27, 1905
McCarthy, Jas	Calmar	*793	Mar 27, 1905
McPhail, Jno	Bellevue	8	Sept. 16, 1905
McDonald, Dan	Mornville	66	Mar. 16, 1906
McLaughlin, Chas	Namoo	68	Mar. 16, 1906
McCallum, Albert W	Beaver Lake	95	Apr 18, 1906
McAnnaly, Peter J	Crossfield	153	May 31, 1906
McLean, Wm. Jno	Hillcrest	188	Aug 13, 1906
McPherson, Jas. P	Bentley (dup.)	1416	May 23, 1910
McNutt, Watson	Medicine Hat	262	Apr 6, 1907
McCune, Oscar	Red Deer	289	May 20, 1907
McGregor, Wm. W	Blackfalds	298	May 20, 1907
McDonell, Archie A	Calgary	339	June 4, 1907
McIvor, David S	Marwayne	388	June 14, 1907
McWhirter, Jas A	Camrose	408	June 14, 1907
McAlister, Donald C.	Lethbridge	447	July 15, 1907
	(dup)	1088	Aug. 20, 1909
McDonald, Geo. A	Pincher Creek	454	July 15, 1907
McAlister, Alfred	Claresholm	468	July 15, 1907
McGhan, Silas S	Clover Bar	493	Oct. 15, 1907
McLean, Laughlin	Innisfail	512	Oct. 22, 1907
McGuire, Thos	Lacombe	535	Oct. 28, 1907
McLean, Garnet W	Calgary	558	Jan. 20, 1908

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Third Class—Continued</i>			
McPhee, Jno	Edmonton	596	Apr. 2, 1908
McDonald, Hugh D	Frank	605	Apr. 8, 1908
McNarland, Robt. Jas	Granum	608	Apr. 8, 1908
McCutcheon, R. H	Pincher Creek	631	Apr. 9, 1908
McRae, Duncan A	Taber	633	Apr. 9, 1908
McRoberts, And	Pine Lake	644	Apr. 14, 1908
McDougall, Wm	Mewassin	655	Apr. 22, 1908
McIvor, Wm	Marwayne	668	Apr. 27, 1908
McDermid, Alex. M	Elkwater	703	May 14, 1908
McIntosh, Duncan D	Three Hills	795	Sept. 22, 1908
McCall, Samuel D	Pincher Creek	932	Apr. 1, 1909
McMillan, Hugh A	Edmonton	943	Apr. 3, 1909
McPherson, Jabez B	Bentley	946	Apr. 6, 1909
McKenzie, John A	Edmonton	1067	May 21, 1909
McPherson, Adam	Red Deer	1089	Apr. 24, 1909
McKenzie, Geo	Lethbridge	1106	Sept. 15, 1909
McKenzie, Wesley J	Brant (dup)	1537	Sept. 28, 1910
McCausland, Chas. A	Calgary (dup)	1457	Aug. 8, 1910
McCallum, Jos	Beaver Lake	1163	Sept. 29, 1909
McAlister, Donald C	Diamond City	1228	Mar. 15, 1910
McLaughlin, Lorne	Cardiff	1310	Apr. 8, 1910
McLaughlin, Wm E	Okotoks	1329	Apr. 8, 1910
McGibbon, Robt. F	Taber	1374	Oct. 15, 1910
McCauley, Chas	New Dayton	1426	June 11, 1910
McBlane, Donald	Cowley	1427	June 11, 1910
McPherson, Jno	Calgary	1429	June 14, 1910
McTighe, Frank B	Lethbridge	1437	July 8, 1910
McKenna, Felix	Cochrane	1449	July 15, 1910
McKnight, Dan	Calgary	1454	July 29, 1910
McPherson, Alec	Blairmore	1470	Aug. 31, 1910
McLeod, Jas. W	Lethbridge	1516	Sept. 21, 1910
McLeod, John B	Innisfail	1517	Sept. 21, 1910
McInroy, Jno. C	Innisfail	1555	Oct. 17, 1910
McGlenn, Lester S	Lethbridge	1569	Oct. 20, 1910
McDonald, Wm. F	Lethbridge	1570	Oct. 19, 1910
Nelson, Frank	Wetaskiwin	* 60	May 30, 1900
Nichol, David	Innisfail	*191	Dec. 18, 1901
Noyes, Dan E	St. Albert	*197	Dec. 18, 1901
Nichols, Jas. J	Edmonton	*358	May 13, 1903
Niven, Jno	Lethbridge	*451	Oct. 6, 1903
Nehr, Wm. A	Edmonton	75	Mar. 26, 1906
Nehr, Henry R	Edmonton (dup)	245	Sept. 28, 1906
Noel, Kenneth E	Canyon	113	Apr. 25, 1906
Nelson, Wilfred	Calgary	119	Apr. 30, 1906
Nelson, Arthur W	Edmonton	132	May 10, 1906
Nech, Louis	Edmonton	161	June 5, 1906
Nichols, Alex. J	Edmonton	220	Sept. 13, 1906
Neis, Geo. M	Camerton	228	Sept. 20, 1906
Norlie, Hackson C	Edmonton	501	Oct. 15, 1907
Nixon, Robt. J	Crossfield	524	Oct. 24, 1907
Neis, Philip	Camerton	530	Oct. 24, 1907
Nielson, Geo	Haynes	540	Oct. 28, 1907
Nadeau, T. Eudore	Lavoy	675	Apr. 27, 1908
Nichols, Wm. R	Edmonton	729	May 26, 1908
Neufeld, Abraham J	Neapolis	762	Sept. 11, 1908
Neufeld, Peter W	Noelton	763	Sept. 11, 1908
Neate, Harry	Edmonton	779	Sept. 18, 1908
Newsome, Wm. H	Calgary	796	Sept. 22, 1908
Norgaard, Peter J	Calgary	797	Sept. 22, 1908

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act —*Continued.*

NAME	ADDRESS	NO. OF CERT	DATE OF ISSUE
<i>Third Class—Continued</i>			
Norton, Paul.	Reid Hill.	836	Oct. 2, 1908
Nemsgern, Jno	Claresholm	837	Oct. 22, 1908
Neville, Fred R	Mountain View	853	Oct 6, 1908
Norrie, Jas.	Medicine Hat	1051	May 1, 1909
Nelson, Peter I	Amisk	1093	Sept. 7, 1909
Naylor, Edward H	Morinville	1165	Sept. 29, 1909
Nelson, Chrest	Medicine Hat	1186	Dec. 17, 1909
Nicholson, John M	Lundbreck	1253	Mar. 21, 1910
Neil, N. Walter	Coleman	1471	Aug. 31, 1910
Ottewell, Richard P	Edmonton	*27	Oct. 9, 1899
Omand, Jno	Edmonton	*522	Apr. 14, 1904
Olsen, H. B	Ellerslie	*542	Apr 18, 1904
Oliver, Wesley N	Wostok	*814	Apr 14, 1905
Olsen, Gilbert E	Star	*815	Apr 14, 1905
Ottewell, Albert	Clover Bar	77	Mar. 26, 1906
O'Dell, Geo W	High River	198	Aug 13, 1906
	(dup.)	733	June 22, 1908
Orford, Andrew B	Macleod	478	July 15, 1907
Oberg, Knute L	Strathcona	491	Oct 15, 1907
Oliver, Peter C	Calgary	562	Jan 20, 1908
Oakes, Louis D	Claresholm	567	Mar. 23, 1908
O'Connor, Jno	Mossleigh	568	Mar 23, 1908
Oler, Geo. jr	Stirling	602	Apr. 8, 1908
Orser, Jno R	Trustram (dup)	1333	Apr 9, 1910
O'Reilly, C	Bells Hill	784	Sept 18, 1908
Olson, Matz	Wilton Park	817	Sept. 28, 1908
Oster, Carl	Good Hope	818	Sept 28, 1908
Orr, Alf. E	Irvine	854	Oct 6, 1908
Osborne, Homer	Taber	855	Oct. 6, 1908
Orser, Harry.	Calgary	883	Mar 19, 1909
Olsen, Elmer A	Prairie View	891	Mar 24, 1909
Ostby, Anton	Strathmore	1027	Apr 28, 1909
O'Brien, Roy	Raymond	1107	Sept 15, 1909
Orr, Joshua	Irvine	1154	Sept 28, 1909
Ostlund, Gustav	Stirling	1231	Mar 15, 1910
O'Connell, Patrick B	Raymond	1317	Apr 7, 1910
Ohlson, Carl L	Millarville	1409	May 19, 1910
Ohrn, Carl H	Ohrnville	1557	Oct. 17, 1910
Pierce, Geo J	Red Deer	* 46	Mar. 8, 1900
Pearce, Jas	Edmonton	* 87	Oct 23, 1900
Putman, Albert E	Edmonton	*202	Dec. 18, 1901
Powell, Jas. A	Edmonton	*208	Dec 18, 1901
Pearce, Wm	Edmonton	*229	Apr 23, 1902
Pimm, Jno	Lethbridge	*258	Aug 18, 1902
Pullshiy, Wm	Star	*384	June 23, 1903
Pullesen, Peter	Calgary	*492	Mar. 14, 1904
Piper, F. E	Red Deer	*546	Apr. 18, 1904
Porter, Gerard A	Red Deer (dup)	*851	June 6, 1905
Peterson, Robt. F	Wetaskiwin	*789	Mar 27, 1905
Pipegrass, Fred'k	Raymond	24	Sept 16, 1905
Pearson, Herbert S	Red Deer	62	Dec. 29, 1905
Peffuger, Geo	Wetaskiwin	98	Apr. 20, 1906
Peterson, Martin E	Claresholm	179	Aug 13, 1906
Pitmann, Wm T	Wetaskiwin	279	May 15, 1907
Pratt, Arthur W	Three Hills	300	May 23, 1907
Patterson, Johnston	Strathcona	308	May 23, 1907
Pyle, Joshua	Langdon.	354	June 4, 1907
Peterson, Alfred L	Heather Brae	397	June 14, 1907

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued*

NAME	ADDRESS	NO. OF CERT	DATE OF ISSUE
<i>Third Class—Continued</i>			
Phillips, Fred H	Frank	476	July 15, 1907
Pylypow, Wasył	Star	504	Oct 15, 1907
Prehn, Emil N	Strome	508	Oct 15, 1907
Peterson, Fred A	Wetaskiwin	529	Oct 28, 1907
Page, Sam Jas	Lacombe	532	Oct 28, 1907
Pethick, Roy W	Okotoks	1331	Apr 8, 1910
Pozin, Otto E	Claresholm	577	Mar. 23, 1908
Peat, Geo A	Lethbridge	611	Apr 8, 1908
Power, Eugene	Lethbridge	615	Apr. 8, 1908
Peat, Jas T	Lethbridge	619	Apr. 8, 1908
Phillips, Walter I	Magrath	620	Apr. 9, 1908
Peters, Andy	Blairmore	621	Apr. 9, 1908
Peterson, Anton	Evarts	638	Apr 14, 1908
Parker, Ed W	Innisfail	642	Apr. 14, 1908
Piersall, Wm. S	Harmattan	646	Apr 14, 1908
Putnam, Orlean E	Edmonton	666	Apr 27, 1908
Pfitzeumier, Herman	Stettler	687	May 1, 1908
Pail, Jos. Jr	Prague	717	May 18, 1908
Phillips, Wm J	Clover Bar	725	May 18, 1908
Papineau, Francis C	Battle Lake	727	May 18, 1908
Parker, David L	Penhold	753	Sept 3, 1908
Parmelee, J M	Bluff Centre	771	Sept. 14, 1908
Park, Hugh A	Placington	785	Sept 18, 1908
Parsons, Harry	Okotoks	1234	Mar 15, 1910
Philpott, Jos	Bawlf	807	Sept. 25, 1908
Podgarmy, Mike	Leduc	819	Sept 28, 1908
Porter, Wm	Stavely	838	Oct 2, 1908
Patterson, Sam F	Granum	856	Oct. 6, 1908
Peak, Jos H	Pokahasset	870	Nov. 26, 1908
Payzant, Jno M	Edmonton	873	Dec 23, 1908
Paul, Karl	Strathcona	880	Mar. 4, 1909
Prout, Thos. R	Medicine Hat	904	Mar. 26, 1909
Peterson, Martin O	Hicksburg	937	Apr. 2, 1909
Passmore, Thos A	Content	964	Apr. 13, 1909
Poulot, Emil E	Taber	1014	Apr 25, 1909
Pickering, Geo	Canmore	1030	Apr 28, 1909
Pierce, Alfred	Lamont	1040	Apr 29, 1909
Parsons, Henry	Lac Ste. Anne	1041	Apr 29, 1909
Purmal, Jacob	Medicine Hat	1052	May 1, 1909
Paget, Thos J	Claresholm	1128	Sept. 21, 1909
Parken, Jos	Carman	1129	Sept 21, 1909
Pallot, Harold E	Edmonton	1212	Mar 7, 1910
Powell, John	Lucky Strike	1233	Mar 7, 1910
Parsons, Alfred J	Royal City (dup)	1597	Dec. 27, 1910
Paulson, Paul	Lethbridge	1237	Mar. 15, 1910
Pattinson, Geo	Frank	1254	Mar 21, 1910
Parkin, David	Macleod	1268	Mar 28, 1910
Piepgas, Valdemar	Raymond	1318	Apr 7, 1910
Pearson, Richard V	Okotoks	1330	Apr. 8, 1910
Puntus, Frank	Airdrie	1340	Apr. 11, 1910
Paradis, Felix	Tofield	1349	Apr. 13, 1910
Parker, John W	Bow Island	1379	Apr 19, 1910
Perks, Chas	High River	1410	Apr. 19, 1910
Phillips, Wm	Calgary	1451	July 15, 1910
Purcell, Frank	Taber	1510	Sept 21, 1910
Peterson, Emil	Heatherbrae	1538	Sept. 28, 1910
Parker, Ralph A	Lewisville	1544	Oct 7, 1910
Potter, John	Royton	1553	Oct 17, 1910
Pearce, Gilbert E	Edmonton	1561	Oct 19, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Third Class—Continued</i>			
Quigley, Thos	Cochrane	546	Nov 22, 1907
Quigley, Jas. S	Cochrane	874	Dec 31, 1908
Quinn, Wm. B	Edmonton	1188	Dec 27, 1909
Quick, Elbert K	Sundial	1237	Mar 15, 1910
Quesseth, Geo. O	Meeting Creek	1435	July 6, 1910
Robinson, Jno	Edmonton	* 26	Oct 9, 1899
Rutherford, Jno	Medicine Hat (dup) .	1549	Oct. 17, 1910
Ross, Thos. G	Poplar Lake	* 97	Nov. 15, 1900
Rattray, Archie B	Edmonton	*108	Dec. 15, 1900
Rafie, Andrew	Bon Accord	*301	Oct. 2, 1902
Ryan, James	Wetaskiwin	*316	Oct 22, 1902
Redig, Valentine	Lacombe	*514	Apr 18, 1904
Rivet, Arthur	Morinville	*549	May 26, 1904
Ramsay, Jas	Coleman	620	Oct 27, 1905
Rice, Geo. A	Stratheona	39	Sept. 18, 1905
Rath, Edw. L	Conjuring Creek	93	Apr. 11, 1906
Read, Edgar A	Manfred	102	Apr. 20, 1906
Reese, Harry E	Wetaskiwin	137	May 10, 1906
Roulston, Robt	Bowden	160	May 31, 1906
Robearge, Wm	Vegreville	215	Sept. 13, 1906
Rorem, T. A	Duhamel	233	Sept. 20, 1906
Rockstad, Abraham	Wetaskiwin	247	Oct. 5, 1906
Rath, Ernest W	Conjuring Creek	277	May 15, 1907
Royle, Wm. H	Calgary	347	June 4, 1907
Ramey, Morgan	Vegreville	382	June 14, 1907
Reay, Jno. G	Lamerton	391	June 14, 1907
Robinson, N. J	DeWinton	425	June 19, 1907
Rydberg, Emil W	Glenview	432	June 19, 1907
Richards, Wm	Lundbreck	920	Mar. 30, 1909
Rice, Wm	Andrew	500	Oct. 15, 1907
Ross, Dexter A	Stratheona	507	Oct. 15, 1907
Rear, Chas. W	Mayton	645	Apr. 14, 1908
Raymer, Oliver	Didsbury	653	Apr. 15, 1908
Russell, Chas. O	Brockville	695	May 6, 1908
Ramsey, Ralph H	Vegreville	722	May 18, 1908
Rix, Percy H	Wetaskiwin	728	May 26, 1908
Rattray, Alex	Dog Pound	764	Sept. 11, 1908
Rude, Jno. N	Priddis	804	Sept. 24, 1908
Ronaghan, Albert H	Vermilion	820	Sept. 28, 1908
Reid, Jas. Robt	Claresholm	839	Oct. 2, 1908
Rigby, Wm. T	Claresholm	840	Oct. 2, 1908
Rills, Wilson H	Claresholm	841	Oct. 2, 1908
Richards, Neal S	Aetna	857	Oct 6, 1908
Rattray, Thos. A., Jr	Edmonton	*550	May 26, 1904
Ritchie, John	Calgary	884	Mar 19, 1909
Rothwell, John T	Lethbridge	896	Mar 24, 1909
Robinson, Wm	Edmonton	940	Apr. 3, 1909
Russell, John	Gaetz Valley	947	Apr. 6, 1909
Rice, Augustus M	Carmangay	972	Apr. 16, 1909
Riches, Chas. B	Edmonton	984	Apr. 20, 1909
Redshaw, Arthur R	Lethbridge	1055	May 3, 1909
Robinson, H. M	Lethbridge	1059	May 4, 1909
Rundgren, John S	Edmonton	1076	May 26, 1909
Robertson, Frank E	Gleichen	1130	Sept. 21, 1909
Roy, Jos. R	Stony Plain	147	Sept. 25, 1909
Reimer, Henry H	Neapolis	1200	Mar 4, 1910
Romeil, Geo. H	Stirling	1238	Mar. 15, 1908
Reilly, Thos	Coal City	1239	Mar. 15, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Third Class—Continued.</i>			
Richards, Peter W	Lethbridge..	1240	Mar. 15, 1910
Rice, Aaron R	Claresholm	1279	Mar. 29, 1910
Ross, John P	Granum	1282	Mar. 30, 1910
Reed, David	Rimbey	1294	Apr. 1, 1910
Robertson, Geo. H	Hamilton	1397	Apr. 25, 1910
Ritchie, Wm O	Strathcona	1444	July 14, 1910
Roberts, Edward Ivor	Strathcona	1445	July 14, 1910
Rhimes, Robt	Calgary	1458	Aug. 8, 1910
Roth, Chas	Strome	1461	Aug. 15, 1910
Robertson, Mark W	Kitscoty	1462	Aug. 24, 1910
Ryan, Harry	Frank	1472	Aug. 31, 1910
Robertson, Jas M	Calgary	1527	Sept. 23, 1910
Reid, John E	Eagle Butte	1535	Sept. 24, 1910
Stadelbauer, Simon	Spruce Grove	*4	Sept. 18, 1899
Stewart, Thos. H	Strathcona	*30	Oct. 9, 1899
Smith, Wm. F	Athabasca Landing	*38	Nov. 28, 1899
Shaw, Jno. Y	Midnapore	*40	Dec. 1, 1899
Saunders, Elias T	Lethbridge	*47	Mar. 23, 1900
Snider, Jno. B	Okotoks	*68	July 19, 1900
Steffles, Fred	Morinville	*90	Nov. 15, 1900
Schlegel, Frank	Duhamel	*118	Jan. 26, 1901
Stewart, Archie	Edmonton	*161	Sept. 7, 1901
Stulz, Frank	St. Albert	*196	Dec. 18, 1901
Staffles, Jos	Morinville	*91	Nov. 15, 1900
Simpson, Robt. N	Edmonton	*198	Dec. 18, 1901
Smith, Sam W	Leduc	*228	Apr. 23, 1902
Still, Wm	Vegreville	*328	Dec. 18, 1902
Stewart, Jas. A	Beaver Lake	*329	Dec. 18, 1902
Shields, Wm. K	Strathcona	*363	May 13, 1903
Smith, Larnet E	Ponoka	*387	July 13, 1904
Schatz, Robt	Strathcona	*635	Oct. 15, 1904
Swift, W L	Edmonton	*647	Oct. 15, 1904
Sloan, Wm. J	Calgary (dup.)	*145	May 1906
Swingle, Walter A	Didsbury	*751	Mar. 24, 1905
Scott, Geo. W	Innisfail	*758	Mar. 24, 1905
Spannel, Jno	Leduc	*796	Mar. 27, 1905
Scott, Sam. R	Olds	*797	Mar. 28, 1905
Stafford, Jno	Sollman	*817	Apr. 14, 1905
Short, Walker	Mewassin	*826	May 13, 1905
Schulli, Angelo	Lille (dup.)	1453	Aug. 25, 1910
Skouson, Z N	Raymond	21	Sept. 16, 1905
Skouson, Peter N	Raymond	25	Sept. 16, 1905
Sherwood, L. H	Beaumont	29	Sept. 16, 1905
Swedfeger, Amos	Leduc	41	Sept. 18, 1905
Svarich, Peter	Kolomea	76	Mar. 26, 1906
Suru, Jno	Edmonton	78	Mar. 26, 1906
Schroeder, Ed H	High River	120	Apr. 30, 1906
Sherlin, Adam	Red Deer	128	Mar. 4, 1906
Smith, Chas W	Foreman	131	May 10, 1906
Stephenson, Jas McC	Innisfail	155	May 31, 1906
Speakman, Alfred	Penhold	159	May 31, 1906
Sanders, T Aron	Cardston	166	Aug. 11, 1906
Stephen, Jas	Frank	175	Aug. 13, 1906
Stannk, Isadore	Frank	176	Aug. 13, 1906
Stillman, Geo F	Spring Point	181	Aug. 13, 1906
Stuckey, Richard	Pincher Creek	185	Aug. 13, 1906
Scribner, Jos	Leavings	190	Aug. 13, 1906
Smith, Jno H	Nanton	195	Aug. 13, 1906
Stevens, H. E	Macleod	202	Aug. 13, 1906

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act —*Continued*

NAME	ADDRESS	NO OF CERT	DATE OF ISSUE
<i>Third Class—Continued</i>			
Smith, David H	Calgary	206	Aug 25, 1906
Somerset, Robt N	Vermilion	210	Sept 13, 1906
Smith, Jno	Pakan	211	Sept 13, 1906
Stevens, Harry L	Olds	240	Sept 27, 1906
Small, Jesse J	Didsbury	243	Sept 26, 1906
Scarth, Walter	Calgary	254	Dec. 1, 1906
Santrock, J. M	Edmonton	269	Apr 29, 1907
Sorenson, Nels G	Kellman	283	May 15, 1907
Smith, Chas A	Red Deer	285	May 15, 1907
Smith, Sam. T	Leslieville	287	May 20, 1907
Schmidt, Henry W	Red Deer	288	May 20, 1907
Salzl, Rudolph	Morinville	307	May 23, 1907
Swingle, Gala R	Didsbury	310	May 29, 1907
Scott, Wm	Three Hills	321	May 29, 1907
Stagg, Jno C	Calgary (dup)	805	Sept 22, 1908
Stearns, Chas A	Carstairs	356	June 4, 1907
Siddall, Wm M	Neapolis	360	June 4, 1907
Saunders, Abraham	Lacombe	372	June 7, 1907
Stevens, Clostin H	Erskine	378	June 7, 1907
Swan, Jno	Wessington	379	June 7, 1907
Seoville, Wm. A	Earling	413	June 14, 1907
Schattschneider, Herman	Ellerslie	415	June 14, 1907
Sinclair, Donald	Cayley	422	June 19, 1907
Sallendach, Robt	Brant	427	June 19, 1907
Sparrow, Jas W	Lethbridge	440	June 20, 1907
Stuenkel, Jas F	Claresholm	452	July 15, 1907
Svean, Ole	Claresholm (dup)	483	Aug 13, 1907
Salmon, Jno F	Raymond	458	July 15, 1907
Spencer, Jno H	Medicine Hat	480	July 24, 1907
Somerset, Thos B	Edmonton	494	Oct 15, 1907
Santrock, Harvey S	Edmonton	498	Oct 15, 1907
Skolitzky, Jno J	Calgary	520	Oct 24, 1907
Spreeman, Allen	Didsbury	522	Oct 24, 1907
Shurkey, Jno W	Lacombe	534	Oct 28, 1907
Simmonds, Henry	Banff	547	Nov 26, 1907
Stanworth, Stephen	Bankhead	549	Dec 5, 1907
St. George, Stephen	Macleod	604	Apr 8, 1908
Schroeder, Waldemer	Macleod	607	Apr 8, 1908
Scott, David S	Coleman (dup)	923	Mar 30, 1909
Simpson, David A	Macleod	622	Apr 9, 1908
Sorenson, Willard	Leavitt	629	Apr 9, 1908
Speight, Frank	Red Deer	637	Apr 14, 1908
Sawatzky, Bernard P	Didsbury	650	Apr 15, 1908
Slater, Alfred	Medicine Hat	661	Apr. 27, 1908
Saunders, Wallace	Conjuring Creek	674	Apr 27, 1908
Stearns, Harvey N	Innisfree	679	Apr. 27, 1908
Scoonover, Frank	Content	688	May 1, 1908
Story, Hillard M	Talbot	692	May 6, 1908
Stinson, Fred	Hastings Coulee	706	May 18, 1908
Svarich, And	Vegreville	723	May 18, 1908
Snyder, Jacob F	Magrath	749	Aug 26, 1908
Sanborn, Francis A	Innisfail	758	Sept 8, 1908
Stephen, J G	Edmonton	780	Sept 18, 1908
Sheffiel, David	Edmonton	821	Sept 21, 1908
Shandro, Andrew S	Shandro	822	Sept. 28, 1908
Stafford, Geo F	Pincher Creek	858	Oct 6, 1908
Steinhauer, Augustine	Saddle Lake	866	Oct 27, 1908
Smith, Anthony A	Knee Hill	889	Mar 20, 1909
Steeves, Lorne W	Lethbridge	894	Mar 24, 1909
Schwartz, Chas	Lille	921	Mar 30, 1909

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act —*Continued.*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Third Class—Continued</i>			
Simpson, John T	Coleman	1257	Mar 21, 1910
Sutor, Wm	Gladys	938	Apr 2, 1909
Stroud, W D	Crossfield	948	Apr. 6, 1909
States, John G	Carstairs	949	Apr 6, 1909
Smedstad, John	Claresholm	973	Apr 16, 1909
Schumers, Louis	Willing	992	Apr. 20, 1909
Stern, Fred	Bawlf	1002	Apr 22, 1909
Stenberg, Fred	Harland	1003	Apr. 22, 1909
Snyder, Chas G	Calgary	1028	Apr. 28, 1909
Scott, Geo T	Gleichen	1029	Apr. 28, 1909
Scarr, Jos A	Bankhead	1342	Apr 11, 1910
Sampert, Julius	Bruederheim	1042	Apr. 29, 1909
Sinclair, Walter W P	Medicine Hat	1053	May 1, 1909
Scott, Fred	Stratheona	1068	May 21, 1909
Schaumleffel, John	Lloydminster	1069	May 21, 1909
Stein, Philip	Lethbridge	1073	May 26, 1909
Stubbs, Albert W	Medicine Hat	1082	June 18, 1909
Scarfe, Wm H T	Innisfail	1090	Aug 24, 1909
Sheppard, Frank H	Wetaskiwin	1096	Sept 7, 1909
Samis, Chas	Calgary	1132	Sept 21, 1909
Schench, Wm. A	Thigh Hill	1133	Sept 21, 1909
Simon, Herbt	Nanton	1134	Sept. 21, 1909
Summersgill, Robt	Calgary	1135	Sept 21, 1909
Spencer, Fred	Cardston	1141	Sept 24, 1909
Smith, John	Kitsecoty	1148	Sept 25, 1909
St. John, Myron	Edmonton	1166	Sept 29, 1909
Saunders, Michael J	Cardiff	1195	Feb 24, 1910
Somerset, Delbert	Lawrence	1241	Mar 15, 1910
Sinclair, Clarence	Coaldale	1242	Mar 15, 1910
Smith, Leslie E	Lethbridge	1243	Mar 15, 1910
Schinnour, Gustav	Grassy Lake	1244	Mar 15, 1910
Stirling, Jas	Michel	1255	Mar. 21, 1910
Stuckey, Wilfred F	Pincher Creek	1262	Mar. 21, 1910
Sheffield, Geo	Macleod	1269	Mar 28, 1910
Strey, Nelson	Lacombe	1295	Apr 1, 1910
Snyder, Perry	Pakan	1311	Apr 6, 1910
Symon, Lindsay	Edmonton	1811	May 16, 1910
Shidler, Elmer H	Cardston	1319	Apr 7, 1910
Saville, Walter G	Calgary	1341	Apr 11, 1910
Steven, Robt. T	Stratheona	1350	Apr 13, 1910
Sparks, Geo A	Edmonton	1351	Apr. 13, 1910
Smith, Oscar H	Lethbridge	1364	Apr 14, 1910
Stone, Wm. N	Langdon	1380	Apr 21, 1910
Spencer, Geo	Calgary	1402	Apr 28, 1910
Sagomen, Peter E	Chauvin	1406	May 17, 1910
Silver, John A	Lethbridge	1413	May 21, 1910
Stallworthy, Wm	Calgary	1430	June 14, 1910
Savage, Wm John	Cardston	1438	July 8, 1910
Smith, Henry	Calgary	1456	Aug 4, 1910
Selwood, Wm. H	Welsdale	1463	Aug. 24, 1910
Seymour, Francis E	Macleod	1463	Aug. 31, 1910
Stobbs, John	Lethbridge	1482	Sept 1, 1910
Scott, Michael D	Cayley	1489	Sept. 6, 1910
Spargo, John	Edmonton	1504	Sept. 21, 1910
Sand, Oscar L	Dina	1505	Sept 21, 1910
Stewart, Wm. A ..	Gilpin	1506	Sept 21, 1910
Sowerby, Wm N	Taber	1512	Sept 21, 1910
Steeves, Robt	Cleaverville	1540	Oct 3, 1910
Spencer, Thos E	Wetaskiwin	1545	Oct. 7, 1910
Shantz, Alson S	Didsbury	1554	Oct. 17, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act—*Continued.*

NAME	ADDRESS	NO OF CERT.	DATE OF ISSUE
<i>Third Class—Continued.</i>			
Stobbs, Henry	Medicine Hat	1571	Oct. 20, 1910
Smith, John K	Calgary	1576	Oct. 20, 1910
Smeltzer, Geo. E	Taber	1592	Dec. 8, 1910
Trimble, H. W	Red Deer	*195	Dec. 18, 1901
Townsend, R. C	Canmore	*314	Oct. 20, 1902
Turner, Leonard J	Gleichen	469	Nov. 6, 1908
Terry, Peter	Okotoks	*470	Nov. 6, 1903
Turnbull, Robt	Strathcona	*519	Apr. 8, 1904
Trussler, A. E	Highland Park	*612	Sept. 27, 1904
Tennison, Jno C	Leduc	*722	Mar. 3, 1905
Trimbel, Clarence A	Red Deer	*782	Mar. 24, 1905
Tillapaugh, Jno	Warwick	48	Sept. 23, 1905
Tanner, Wm Jos	Raymond	15	Sept. 16, 1905
Thomas, A. I.	Frank	53	Oct. 31, 1905
	(dup)	890	Mar. 24, 1909
Treasure, Sam	Claresholm	58	Dec. 19, 1905
Trembley, Miles I	Edmonton	73	Mar. 26, 1906
Taylor, David A	Red Deer	162	July 7, 1906
Tufts, Josiah	Taber	187	Aug. 13, 1906
Turner, Ernest H	Warwick	214	Sept. 3, 1906
Thompson, Chas	Red Deer	297	May 20, 1907
Towers, Fred J	Red Deer	299	May 20, 1907
Traub, Wm	Didsbury	325	May 29, 1907
Telford, Ernest E	Vermilion	330	May 31, 1907
Tennant, Wm. J	Calgary	350	June 4, 1907
Thompson, Geo. A	Red Willow	374	June 7, 1907
Tiede, August	Stettler	375	June 7, 1907
Trussler, A. D	Strathcona	416	June 14, 1907
Thrum, Chas. W	High River	433	June 19, 1907
Turner, Geo. H	Taber	445	July 15, 1907
Tucker, Glines	Stavely	463	July 15, 1907
Tollestrup, Christian F	Raymond	472	July 15, 1907
Thwaytes, Lancelot	Edmonton	497	Oct. 15, 1907
Tewsley, Jas. S	Carstairs	525	Oct. 24, 1907
Thompson, Thos. G	Edmonton	589	Apr. 2, 1908
Turnbull, W. N	Penhold	634	Apr. 14, 1908
Taylor, Orrin O	Harmattan	647	Apr. 14, 1908
Tidball, Wm. E	Carstairs	651	Apr. 15, 1908
Taylor, Wm. L	Killam	705	May 18, 1908
Thronndson, Theo	Camrose	711	May 18, 1908
Teardiff, Jos. E	Fort Vermilion	743	Aug. 6, 1908
Toews, Cornelius F	Stern	765	Sept. 11, 1908
Tronnes, Peter	Dorence	808	Sept. 2, 1908
Todd, Walker	Macleod	1270	Mar. 28, 1910
Taylor, Wm. J	Lochinvar	976	Apr. 17, 1909
Turner, Jas. A	Taber	1015	Apr. 25, 1909
Trono, Louis	Canmore	1032	Apr. 28, 1909
Trono, Emile	Canmore	1033	Apr. 28, 1909
Townsend, Leon E	Stirling	1085	July 16, 1909
Thomas, Wm. H	Lloydminster	1167	Sept. 29, 1909
Todd, Wm	Edmonton	1168	Sept. 29, 1909
Tillapaugh, John F	Vegreville	1169	Sept. 29, 1909
Thompson, Frank L	Macleod	1271	Mar. 28, 1910
Tanner, Jas	Macleod	1272	Mar. 28, 1910
Taylor, Henry G	Ponoka	1296	Apr. 1, 1910
Toward, Jas. B	Bankhead	1343	Apr. 11, 1910
Thomas, Emery R	Carlstadt	1398	Apr. 25, 1910
Thomas, David R	Lethbridge	1414	May 21, 1910
Tessier, Geo. A	Ena	1431	June 14, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued.*

NAME	ADDRESS	NO. OF CERT	DATE OF ISSUE
<i>Third Class —Continued</i>			
Toppin, Samuel S	Calgary	1459	Aug. 15, 1910
Tollestrup, Rudolph W	Raymond	1468	Aug. 30, 1910
Tupper, Roy O	Kipp	1483	Sept. 1, 1910
Turner, Philip R	Fort Saskatchewan	1518	Sept. 21, 1910
Thomas, Wm	Bassano	1528	Sept. 23, 1910
Todd, Robt	Strathcona	1562	Oct. 19, 1910
Tharp, Chancey L	Faber	1572	Oct. 20, 1910
Tomfohr, Geo	Milk River	1587	Nov. 17, 1910
Utas, Peter	Wetaskiwin	*331	Feb. 13, 1903
Umbach, Wm	Spruce Grove	*357	May 13, 1903
Umbach, Jno H	Spruce Grove	67	Mar. 16, 1906
Urback, Albert F	Calgary	258	Jan. 22, 1907
Umbach, Edgar A	Spruce Grove	656	Apr. 22, 1908
Underwood, Harry A	Emsbury	689	May 1, 1908
Ullman, Albert	Granum	842	Oct. 2, 1908
Vogel, Wilhelm	Strathcona	*22	Oct. 2, 1899
VanMeter, Chas E	Millet	*212	Dec. 18, 1901
Vanacker, Louis	St. Albert	*373	May 13, 1903
Vig, Oscar O	Bentley	*763	Mar. 24, 1905
Veeder, Robt B	Wetaskiwin	*791	Mar. 27, 1905
VanSellick, Jacob	Edmonton	32	Sept. 16, 1905
Van Wegan, Louis	Raymond	42	Sept. 18, 1905
Vogel, Ferdinand	Strathcona	45	Sept. 18, 1905
Vig, Casper O	Bentley	110	Apr. 25, 1906
Vaughan, Frank	Calgary	336	June 14, 1907
VanWinkle, Howard	High River	430	June 19, 1907
VanWinkle, Chester A	High River	439	June 19, 1907
Venables, Wm	Medicine Hat	482	Aug. 1, 1907
Veith, F. Wm	Inga	490	Oct. 15, 1907
Vesseur, Moses	Sylvan Lake (dup)	1194	Feb. 21, 1910
Vlasak, Rudolph	Wessington	539	Oct. 28, 1907
Vandburgh, Jas N	Calgary	587	Mar. 23, 1907
Vanyel, Chas	Edmonton	597	Apr. 2, 1908
Vanderford, Sylvester A	Stettler	1297	Apr. 1, 1910
Vint, Francis	Stettler	1298	Apr. 1, 1910
VonKekem, Barend J	Medicine Hat	1536	Sept. 24, 1910
Varembo, Olaf H	Camrose	1546	Oct. 7, 1910
VanMeter, Jacob A	Millet	823	Sept. 29, 1908
Valentine, Marcon F	Bellevue	924	Mar. 30, 1909
Vaughn, Clifford E	Wetaskiwin	1097	Sept. 7, 1909
VanKluck, Alerie	Reid Hill	1136	Sept. 21, 1909
Witmer, Abram	Strathcona	*29	Oct. 9, 1899
Wilson, Jas	Calgary	*65	July 19, 1900
Wulff, Nick	Edmonton	*207	Dec. 18, 1901
Walker, Robt	Edmonton	*251	Aug. 18, 1902
Weder, Frank	Beaver Hills	*462	Oct. 28, 1903
Wells, Chas	Rosenroll	*517	Apr. 18, 1904
Wardrop, Jno L	East Clover Bar	*640	Oct. 15, 1904
Will, Louis	Bankhead	*682	Jan. 3, 1905
Wilkinson, Richard	Olds	*754	Mar. 24, 1905
Whitcotton, Robt. M	Lacombe (dup)	164	July 14, 1906
Wilson, Wm Jos	Coleman	9	Sept. 16, 1905
Wallace, W J	Macleod	12	Sept. 16, 1905
Wood, Wm F	Tofield	44	Sept. 18, 1905
Whalen, Jas	Edmonton	69	Mar. 1, 1906
Wetterberg, Theo	Canmore	100	Apr. 20, 1906
Watts, Sam	Lacombe	103	Apr. 24, 1906

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act.—*Continued*

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Third Class—Continued</i>			
Werner, Wm. Fred	Red Deer	108	Apr. 24, 1906
Waymark, Richard T	Calgary	123	Apr. 30, 1906
Whitaker, Wm	Edmonton	129	May 4, 1906
Walker, Robt. T	Strathcona	134	May 10, 1906
Wisler, Oliver P	Stettler	136	May 10, 1906
Webber, Alfred	Medicine Hat	168	Aug. 11, 1906
Wickens, J. A	Calgary	199	Aug. 13, 1906
Wright, Bruce M	Calgary	205	July 30, 1906
Watters, Wm. E	Strathcona	227	Sept. 20, 1906
Wynn, Robt.	Kneehill Valley	291	May 20, 1907
Wood, Rex R	Carstairs	309	May 29, 1907
Wacker, Grover	Rawdonville	322	May 29, 1907
Webster, Robt. J	Marwayne	390	June 14, 1907
Walkermeyer, Wm	Heatherbrae	396	June 14, 1907
Wileox, Isaac A	High River	423	June 19, 1907
Wilson, Archibald	Brant (dup.)	1465	Aug. 10, 1910
Wilderman, Raymond A	High River	437	June 19, 1907
Walters, Wm	Clareholm (dup.)	864	Oct. 24, 1908
Wilcocks, Wm	Lethbridge	475	July 15, 1908
Watson, Walter J	Clareholm	578	Mar. 23, 1908
White, Jack	Calgary	585	Mar. 23, 1908
Wright, Merit B	Edmonton	593	Apr. 2, 1908
White, Geo. T	Red Deer	639	Apr. 14, 1908
Williams, Frank T	Crossfield	682	May 1, 1908
Winkleman, Jules	Leduc	711	May 18, 1908
Wilbert, Chas	Wetaskiwin	721	May 28, 1908
Walker, Preston	Lacombe	772	Sept. 14, 1908
Watson, P	Edmonton	781	Sept. 18, 1908
Wentworth, Wm	Okotoks	806	Sept. 22, 1908
Wilson, Bert M	Nanton	843	Oct. 2, 1908
Wright, Leroy H	Cardston	859	Oct. 6, 1908
Wilson, Chas. O	Spring Coulee	863	Oct. 21, 1908
Wallwork, Jas	Taber	903	Mar. 24, 1909
Webster, Alexr	Pincher Creek	933	Apr. 1, 1909
Weber, Noah R	Carstairs	950	Apr. 6, 1909
Watts, Geo	Macleod	957	Apr. 9, 1909
Wilson, Andrew W	Vegreville	985	Apr. 20, 1909
Walker, Edgar N	Mundare	986	Apr. 20, 1909
Wilson, Jos. W	Edmonton	987	Apr. 20, 1909
Wyman, Clark I	Magrath	1007	Apr. 25, 1909
Walker, Chas. H	Warner	1008	Apr. 25, 1909
Williams, Edgar H	Bankhead	1034	Apr. 28, 1909
Woodcock, Frank F	Medicine Hat	1155	Sept. 28, 1909
Wiltzen, Martin	Chipman	1043	Apr. 29, 1909
White, Edward	Lethbridge	1056	May 3, 1909
Ward, John	Edmonton	1071	May 21, 1909
Winter, Archibald	Strathcona	1072	May 21, 1909
Weisser, Christian B	Camrose	1094	Sept. 7, 1909
West, Wm. A	Mewassan	1099	Sept. 13, 1909
White, Thos. J	Stirling	1108	Sept. 15, 1909
Wick, Anton	Lineham	1137	Sept. 21, 1909
Wilson, Aura L	Carstairs	1138	Sept. 21, 1909
Wood, Roy J	Carstairs	1139	Sept. 21, 1909
Wolanskey, John	Edmonton	1149	Sept. 25, 1909
Wonnop, Jos. L	Lawrence	1156	Sept. 28, 1909
Watt, Geo	Strathcona	1184	Dec. 4, 1909
White, Chris., Jr	Red Deer	1201	Mar. 3, 1910
Wharren, Frank T	Calgary	1213	Mar. 7, 1910
Williams, Albert	Magrath	1245	Mar. 15, 1910
Wilson, Clifford	Camrose	1299	Apr. 1, 1910
Watson, Fredk	Bankhead	1344	Apr. 11, 1910

*Indicates Certificate was granted by North-West Territories.

SCHEDULE OF HOLDERS of Final Certificates of Qualification under
The Steam Boilers Act —*Continued*

NAME	ADDRESS	NO. OF CERT.	DATE OF ISSUE
<i>Third Class—Continued</i>			
Watson, Robt	Edgerton	1352	Apr 13, 1910
Wilson, Rufus B	Tofield	1353	Apr. 13, 1910
	(dup)	1354	Apr 13, 1910
Woods, Henry	Warner	1365	Apr 14, 1910
White, Jas Albert	Lethbridge	1366	Apr. 14, 1910
Wilson, Robt	Medicine Hat	1399	Apr 25, 1910
Wooley, Norman	Medicine Hat	1400	Apr. 25, 1910
Whitehead, Martin	Banff	1432	June 14, 1910
Woods, Harry	Lethbridge	1439	July 8, 1910
White, John W	Brooks	1452	July 15, 1910
Wood, Jas	Bellevue	1474	Aug 31, 1910
Walker, John A	Warren	1490	Sept 7, 1910
Williams, Wm E	Vermilion	1508	Sept 21, 1910
Wagner, A C L	Calgary	1529	Sept. 23, 1910
Wilson, John L	Bassano	1530	Sept 23, 1910
Wilson, Wm John	Angus Ridge	1547	Oct. 7, 1910
Wocknitz, Paul	Magrath	1573	Oct 20, 1910
Wessenger, Ray	Medicine Hat	1574	Oct 20, 1910
Wolfe, John W	Edmonton	1588	Nov 21, 1910
Williams, Chas. A	Calgary	1595	Dec 15, 1910
Williams, Alfred L	Calgary	1596	Dec. 15, 1910
Young, Arthur	Banff	*491	Mar 14, 1904
Young, D M	Lethbridge	4	Sept. 16, 1905
Yeamans, Chas. A	Edmonton	74	Mar. 26, 1906
Young, Jno. T	Stavely	465	July 15, 1907
Young, Alvia L	Markerville	643	Apr. 14, 1908
Young, David	Strathcona	786	Sept. 21, 1908
Young, Peter	Calgary	959	Apr 9, 1909
Young, Jas	Edmonton	1355	Apr 13, 1910
Young, Jas	Gleichen	1531	Sept. 23, 1910
Zimmerman, Arthur C	Bawlf	1548	Oct 7, 1910
Zuehlke, F C	Urquhart	*188	Dec 18, 1901
Zimmerman, Otto	Red Lodge	*756	Mar. 24, 1905
Zaczowski, John	Edison	1150	Sept. 25, 1909

*Indicates Certificate was granted by North-West Territories.

CORRESPONDENCE BRANCH

The following comparative statement will give a fair idea of the increase of work in this branch during the year:

	1908	1909	1910
Number of letters received	93,400	118,439	136,092
Number of returned letters and circulars	10,905	10,462	11,375
	104,305	128,901	147,467
Number of entries in cash book	18,500	23,421	30,821
Amount of cash received	\$414,863 15	\$684,840 49	\$767,150 58
Number of registered letters received	4,733	4,492	6,642
Number of registered letters sent	7,200	12,946	11,786
Number of letters sent	71,434	85,705	92,560
Number of receipts and tax certificates sent	20,589	28,268	23,069
Number of circulars sent	44,377	57,187	81,097
	136,400	171,160	196,726
SUMMARY			
Number of communications sent	136,400	171,160	196,726
Number of communications received	104,305	128,901	147,467
	240,705	300,061	344,193
Average number per working day	802	1,000	1,147
Amount of postage used	\$2,921 50	\$3,350 54	\$3,357 59

Respectfully submitted
R J. GILLIS,
Chief Clerk

ACCOUNTANT'S BRANCH

Staff	{ 1 Accountant 1 Asst. Accountant 4 Clerks	
Amount voted for Capital Account Expenditure	\$1,149,493 49	
Amount supplied to cover expenditure chargeable to Income	705,113 99	
Amount provided for Civil Government		\$1,854,607 48 60,000 00
Total amount provided in connection with the Department of Public Works during 1910. . .		\$1,914,607 48

Monies collected during 1910 on account of Public Works, as detailed below and placed to the credit of General Revenue—		
Steam Boilers Branch	\$11,560 00	
Coal Mines Branch	1,123 05	
Road Leases	518 50	
Miscellaneous from Surveys Branch	1,361 29	
Monies received on account of sale of material, general refunds, etc	41,872 53	
		\$59,435 37
Monies collected by Public Works and placed to the credit of the General Revenue Suspense Account for distribution to proper accounts		
	\$23,154 58	
Monies on hand in General Revenue Suspense Account December 31, 1910, as represented by Cash Book Balance		
		1,319 75
Amount received on account of Large Local Improvement Districts and placed to the credit of Trust Account		
		92,981 87
Amount expended on account of work and cost of administration in Large Local Improvement Districts during 1910		
		38,003 66
Amount expended from General Revenue during 1910—		
Income	704,946 21	
Capital Account	1,149,218 89	
		1,854,165 10
Amount expended in connection with Civil Government during 1910		
		57,779 37
Receipts	\$ 153,736 99	
Expenditure	1,949,948 13	
	\$2,103,685 12	\$2,103,685 12

In addition to the above expenditure the sum of \$47,722 53 was expended on the Provincial University, this amount being provided by the University authorities, details of both receipts and expenditure being shown below.

Grants from University Authorities		\$47,000 00
Balance forward from 1909	\$138 70	
Sale of materials and refunds	775 81	
	\$914 51	\$ 914 51
		\$47,914 51

The entire expenditure in connection with the Provincial University amounted to \$136,092 98 as paid out of the University Construction Trust Account, the balance of the funds necessary to cover the entire cost of the year's work being provided from general revenue and amounted to \$88,370 45, this latter amount being included in the total expenditure for the year as shown in the first part of this statement

Details of the expenditure for the year from general revenue are as follows:

Furnishing and maintenance of public buildings, \$82,602.45
 Caretaking and maintenance of Government House, \$4,183 95
 Construction of new buildings amounted to \$914,047 28 Purchase of buildings from the Federal Government, \$80,999.33 Payment of rentals, etc., to the Federal Government for buildings occupied from 1905, \$12,783 59 Purchase of sites for Government Buildings in the province amounted to \$16,354.70 Inspection of public works cost \$33,061.57. Inspection of coal mines, \$10,150 43. Inspection of steam boilers, \$17,533 38. Fireguard construction cost \$2,083.75 Boring and testing for water, \$9,655.84. Installing and

maintaining ferries, \$25,262.70. Construction of ditches and drains, \$19,699 70 Maintenance and repair of bridges, \$31,375 47 Construction of roads, \$195,521 12 Construction of bridges, \$313,466 69. Compensation and survey of roads, \$73,829 31 Amount expended in connection with the purchase of implements for road work and the repair and maintenance of steam plant, etc., \$7,627.48 Payment of accounts that were unforeseen and unprovided for, \$3,926 36

The total amount expended in connection with staff salaries for the year in connection with the Department of Public Works amounted to \$44,929 63. Expenses in connection with auditing and inspecting small local improvement districts amounted to \$6,811 61 Postage used in the department cost \$3,110 00. Telephone messages and telegrams cost \$1,152 53, and sundry expenses amounted to \$1,775 60

The total amount expended in connection with large local improvement districts amounted to \$38,003 66, and of this amount \$23,975 16 was paid for salaries, but of this latter amount Educational Trust Account reimbursed this account \$4,787.50, and for stamps and expenses the sum of \$762 07.

Number of accounts examined and passed to the Treasury Department for payment from General Revenue	10,760
Number of accounts for work done in connection with large local improvement districts	202
Number of accounts examined and passed for payment in connection with the Provincial University	456
Total number of accounts passed for payment	11,418
Number of cheques issued in connection with payment of accounts in large local improvement districts	520
Number of cheques issued in connection with the removal of monies from General Revenue Suspense Account	144
Number of cheques issued in connection with the construction of the Provincial University	1,706
Total number of cheques issued	2,370

Respectfully submitted,

HENRY K HYDE,

Accountant of Public Works

TELEPHONE BRANCH

JOHN STOCKS, ESQ.
Deputy Minister of Public Works,
Edmonton

SIR,—I beg to submit report of the Telephone Branch, covering construction, operation and maintenance for year 1910

CONSTRUCTION

As in previous seasons the amount of rural construction petitioned for was far in excess of what we could possibly hope to undertake to build and finish; we, therefore, tried to use our best judgment and discrimination in determining what should be constructed, taking

into consideration such factors as length of time petition had been submitted, amount of previous construction in community, physical qualifications of petition and accessibility for delivering material and supplies

Naturally some propositions were eliminated for some of the aforementioned reasons, but as development takes place, petitions not qualifying now will be resubmitted on a more favourable basis.

Having favourable weather we were able to carry construction up until the first of the year, 1,164 pole miles and 1,427 wire miles of rural work and 508 pole miles and 759 wire miles of long distance having been completed. The rural construction shows 370 pole miles of construction in excess of last year.

In a few cases construction on some lines commenced in the fall had to be laid over until next year owing to severe weather setting in before completion, but work on these lines will be resumed first thing in the spring

Following is a statement of lines constructed during 1910:

Long Distance Toll Lines Built During 1910.

LINE	MILES POLES	MILES WIRE	CIRCUIT
Edmonton-Ardrossan	10½	17	2nd circuit
Tofield-Wainwright	123	123	
Ray-Villeneuve	3½	3½	
Wabamun Extension	2	2	
Lloydminster-Oxville	17	32	
Leduc-Conjuring Creek	4	16	
Wetaskiwin-Camrose, No. 12 N.B.S.		26	
Camrose-Edberg	4	25½	
Camrose-Lassen	6½	27½	
Sedgewick-Merna	8	16½	
Botha-Castor	34	34	2nd circuit
Bentley-Rimbey	10	20	
Olds-Harmattan	8	16	
Acme-Carbon	25	32	
Calgary-Cochrane, No. 9 Iron		22	
Cochrane-Bottrel	15	23	
Strathmore-Bassano	60	60	
Pineher Creek-Fishburn	8	15	
Monarch-Carmangay	20	27	
Diamond City-Kipp	2½	8	
Lethbridge-Diamond City	2½	11	2nd circuit
Lethbridge-Taber, No. 12 N.B.S.		36½	
Taber-Medicine Hat	85	85	
Stirling-Warner	30	33	
Claresholm-Nobles' Private Line	30	48	
Total	508½	759½	

Rural Lines Built During 1910.

LINE	SUBS	POLE MILEAGE	WIRE MILEAGE	CIRCUITS
Airdrie W	16	15	28	2
Acme	22	18	32	2
Ardrossan	13	8	9	1
Barons	26	18	30	2
Bittern Lake	12	6	9	1
Bawlf	15	15	15	1
Calgary	15	13	15	1
Cochrane.	13	9	17	1

Rural Lines Built During 1910.—Continued.

LINE	SUBS	POLE MILEAGE	WIRE MILEAGE	CIRCUITS
Cayley	23	24	29	2
Claresholm	78	70	90	5
Camrose	15	17	22	1
Content	43	41	53	3
Conjuring Creek	39	35	40	3
Clive	13	9	9	1
Carstairs	38	24	42	3
Daysland	18	21	22	1
Didsbury	49	45	58	4
Edmonton, South	16	16	21	1
Edmonton, East (Clover Bar)	10	8	8	1
Edmonton, West	16	15	17	1
Edmonton, West (Stony Plain)		6	6	
Edberg	39	34	43	3
Erskine	13	12	14	2
Fishburn	31	24	30	3
Granum	27	25	34	3
High River (East and West)	18	22	28	
High River (Tongue Creek)	22	22	29	2
Harmattan	6	3	5	1
Irma	1	2	2	1
Killam	42	35	46	4
Lloydminster, South	16	14	23	1
Lethbridge, S.E.	20	14	28	1
Leduc (Beaumont)	19	8	17	2
Lamont	9	3	8	1
Lacombe (Canyon)	17	17	26	1
Macleod, N.W.	10	2	9	1
Monarch	38	24	45	3
Merna	51	43	58	4
Medicine Hat, N.W.	4	6½	6½	1
Medicine Hat-Elkwater	13	40	40	1
Nanton	13	11	20	2
Oxville	16	14	23	1
Olds, W	39	33	55	3
Ponoka, E. and W	25	24	32	2
Pincher Creek	33	35	48	2
Raymond	12	10	13	1
Rimbey	15	13	17	1
Sedgewick	18	14	28	2
Strome	42	30	44	3
Stavely	7	5	8	1
Tofield	19	12	25	2
Taber	10	5	15	1
Tees	21	20	26	2
Vegreville	6	3	8	1
Wetaskiwin	2	2	2	
Total	1,164	1,014½	1,427½	

New Exchanges Constructed and Opened in 1910.

Alix, Castor, Erskine, Hardisty, Gleichen, Killam, Mannville, Sedgewick, Stirling, Strathmore, Tofield, Trochu, Wainwright

New Rural Exchanges

Oxville, Ardrossan, Conjuring Creek, Bittern Lake, Edberg, Merna, Rimbey, Harmattan, Bottrel, Fishburn, Barons.

Extensions and Additions to Old Exchanges Rendered Necessary by Growth

Blairmore, Calgary West (automatic exchange), Calgary Main (underground and aerial cable), Daysland, Fort Saskatchewan, High River, Innisfail, Lethbridge (extended cable), Lloydminster (extended cable), Macleod, St. Albert, Stettler, Strathcona (extending cable), Taber, Vegreville, Vermilion

New Toll Offices

West Wabamun, Villeneuve, Legal, Telsrow, Ryley, Holden, Bruce, Nestor, Viking, Kinsella, Jarrow, Irma, Ferintosh, Gadsby, Halkirk, Namaka, Cluny, Bassano, Nobles, Carmangay, Diamond City, New Dayton, Warner, Purple Springs, Grassy Lake, Burdette, Bow Island, Winnifred, Whitla, Seven Persons.

Besides the above, the department acquired by purchase the private line of the Alberta South Eastern Telephone Co., running from Medicine Hat to Elkwater.

It having been decided that at Calgary the manual system would be discarded and automatic equipment substituted, a site was purchased in the west end and a branch exchange building, similar to the one built in East Calgary last year, was erected by the Public Works department, automatic equipment was installed, and works in conjunction with the manual exchange and the East Calgary Automatic Branch. It might be well to note here that the demand for telephones at Calgary has been phenomenal, and the Telephone Branch have had to extend every effort to keep pace with a constant demand.

This condition not only applies to Calgary, but cities and towns like Lethbridge, Medicine Hat, Strathcona, Camrose and Castor, have all experienced very rapid growth.

The most important feature relative to our long distance line construction was the extending of the Lethbridge-Taber line on to Medicine Hat. Previous to this Medicine Hat had no long distance telephone connections, but the completion of this line has brought that city into touch with the rest of the province. This completed the last link in connecting all the extreme points of the province from Edmonton on the north to Cardston on the south, Medicine Hat on the east, and Blairmore and Banff on the west.

OPERATION AND MAINTENANCE

In the operating end of the system, the methods of organization adopted a year ago appear to be adjusting themselves very satisfactory, and as the system grows we hope to enlarge on the functional idea, developing our employees along the lines for which they are best fitted.

Our long distance service, owing to shortage of circuits and equipment, has been a handicap to a certain extent to our operating force, but with the plans contemplated for the forthcoming year, which includes extra circuits between the congested points, new toll boards at Calgary and Strathcona (Edmonton) to work in conjunction with the automatic equipment, we anticipate being able to handle the long distance business in a manner satisfactory both to ourselves and our patrons.

The following is a comparison of the toll business for 1908, 1909, 1910:

Toll business for 1908	\$89,723 00
Toll business for 1909	123,746 00
Toll business for 1910	145,723 57
Increase of 1910 over 1909	\$21,977 57

The total mileage of our lines and number of offices in operation at the end of 1910 are as follows:

	1909	1910
Total mileage of L. D. lines	2,392	3,152
Total mileage of rural lines	1,537	2,963
Total number of city and town exchanges	58	63
Total number of rural exchanges	23	34
Total number of toll offices	108	138
Total number of exchange subscribers	6,176	8,090
Total number of rural subscribers	1,317	2,481
Total number of subscribers	7,493	10,571

The above statements show the general demand for telephone service and the necessity for large appropriations and efficient organization to meet this demand economically as well as promptly.

General.

Following is a statement of revenue and expenditures for 1910:

EXPENDITURE AND RECEIPTS FOR THE YEAR 1910.

EXPENDITURE.

Construction (Capital Account)—		
Exchanges, lines and toll stations	\$824,968	77
Stock (balance of 1910 stores on hand)	744	17
Buildings and sites, etc	16,603	29
Total Construction (Capital Account)		\$842,316 23
Operation and Maintenance Expense—		
Operation	\$215,394	86
Maintenance	71,808	34
Total Operation and Maintenance Expense		287,203 20
Total Expenditure		\$1,129,519 43

RECEIPTS.

Exchange line rentals	\$184,249	38
Rural line rentals	28,525	85
L. D. line tolls	145,723	57
Sale of material	4,389	48
Rent (office in Calgary)	1,200	00
Interest (Suspense Accounts Balances)	4,446	72
Refunds (1908 and 1909 accounts)	382	04
Miscellaneous (labour, etc.)	840	10
Total Receipts		\$369,757 14

PROFIT AND LOSS FOR THE YEAR 1910.

REVENUE

General Fees (Rentals and Tolls, etc.)	\$358,644	15
Less Sale of Material at Agencies	145	35
Rent (Office in Calgary)		\$358,498 80
Interest (Suspense Accounts Balances)		1,200 00
		4,446 72
Total Revenue		\$364,145 52

EXPENSES

Operation and Maintenance Expense—		
Operation	\$215,394 86	
Maintenance	71,808 34	
Total Expenses.	\$287,203 20	\$287,203 20
Net Profits for 1910.		
		\$76,942 32

NOTE —The Revenue for 1910 was sufficient to pay all Operation and Maintenance Expenses, and leave a profit of 9 per cent on Capital Expenditure.

ASSETS AND LIABILITIES

ASSETS

Capital Account (Construction or Purchase)—		
Lines (Long Distance and Rural)	\$1,216,017 82	
Exchanges	1,280,125 50	
Sites, Buildings and Grounds	130,818 07	
Stock (Stores on hand, not distributed)	39,944 30	
Debenture Issue Expense Balance	61,674 71	
Total Assets		\$2,728,580 40

LIABILITIES.

Debentures, maturing June 1, 1938	\$2,000,200 00	
Provincial Treasurer, 1910, Expenditure	1,129,519 43	
Revenue, 1910	\$369,757 14	
Cash on hand January 1, 1910	148,926 74	
	518,683 88	\$610,835 55
Adjustment, Stores, pending Inventory		1,668 71
Surplus (Excess of Revenue over Operation and Maintenance Expenses for the five years, 1906 to 1910 inclusive)	115,876 14	
Total Liabilities		2,728,580 40

NOTE —The Surplus for the five years, over all Expenses, is equivalent to a return on entire Capital Expenditure of 4 per cent

The foregoing financial statements compiled by the Accounting Branch show that the system is more than holding its own and that a satisfactory balance appears on the right side.

The statement shows for 1910 a nine per cent surplus, after operating, maintenance expenses and interest on bond issue have been paid. Of this nine per cent the rural branch approximate two per cent of this surplus, while the long distance lines and exchanges show the balance of seven per cent.

Respectfully submitted,

A. J. RICHARDS,
Superintendent of Telephones.

INDEX

	PAGE
REPORT OF THE DEPUTY MINISTER	7-10
Bridges	11-18
Roads	18-32
Ferries	32-33
Fire Guards	33-34
Well Boring	34
ARCHITECTURAL BRANCH—	
Staff	35
Parliament Buildings, Edmonton.	35
Court House, Edmonton	35
Acute Hospital for Insane, Ponoka.	35
Court House, Lethbridge	36
Jail Building, Lethbridge	36
Telephone Exchange, Calgary	36
Telephone Sub-Station, Calgary	36
Dormitory Building, Strathcona.	36
Power House, Ponoka	36
Power House, Lethbridge	37
BUILDING CONSTRUCTION—	
Parliament Buildings, Edmonton.	37
Ponoka Asylum	37-38
Provincial Jail, Lethbridge	38-39
Dormitory Building, Strathcona	39
Court House, Lethbridge	39
Court House, Edmonton	39
Central Telephone Exchange, Calgary.	39
Telephone Sub-Station, Calgary	40
SURVEYS BRANCH—	
Statement of work done	40-41
Reports of Surveyors and Engineers.	41-60
COAL MINES BRANCH—	
Staff	60
Output of Coal	61-63
Mines Opened	63-64
Mines Operated	64-66
Mines Abandoned	67
List of Successful Candidates	67-68
Certificates Issued	68-74
Report of Provincial Inspector	75-92
Tabulated List of Accidents	92
Detailed List of Accidents	93-101
Examination Papers	102-114
Wages	114-115
Prospect Work	115
LOCAL IMPROVEMENT BRANCH—	
Large Local Improvement Districts.	116
Small Local Improvement Districts.	116-128
Villages	128-130
Collection of Arrears of School Taxes	130
Forfeited Lands	130-145
Collection of Educational Taxes	145
STEAM BOILERS BRANCH—	
Staff	145
Inspectors	146-147
Defects found in Boilers	147
Certificates and Fees Collected	148
Expenditure	148
Reports of Inspectors	148-157
Holders of Final Certificates	157-193

INDEX.—*Continued.*

	PAGE
CORRESPONDENCE BRANCH—	
Work done	194
ACCOUNTANT'S BRANCH—	
Staff	194
Details of Expenditure	194–196
TELEPHONE BRANCH—	
Construction	196
Long Distance Toll Lines	197
Rural Lines	197
New Exchanges	198
New Toll Offices	199
Extensions and Additions	199
Operation	199
Expenditure	200
Revenue	200
Assets and Liabilities	201